

FIG. 1

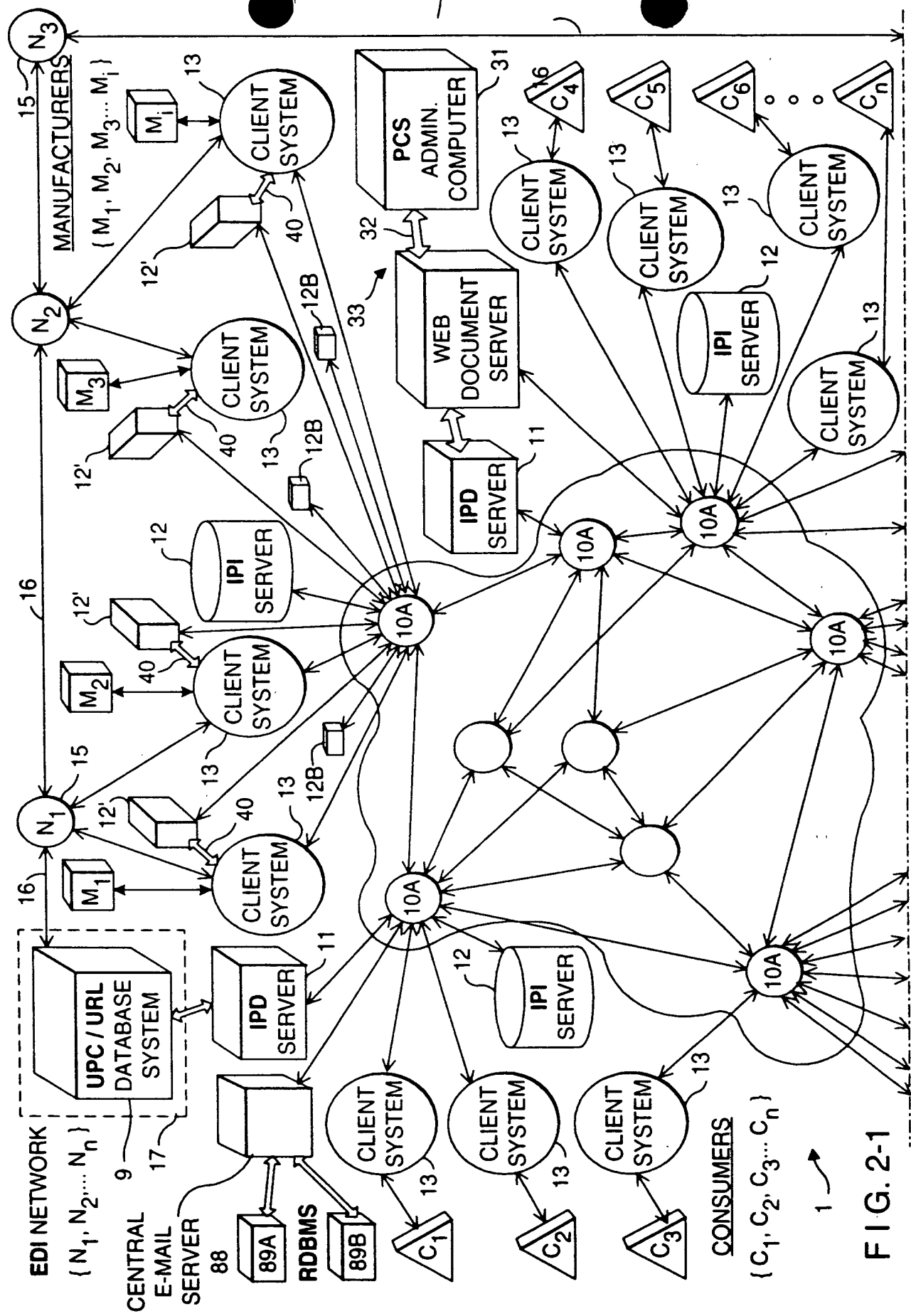


FIG. 2-1

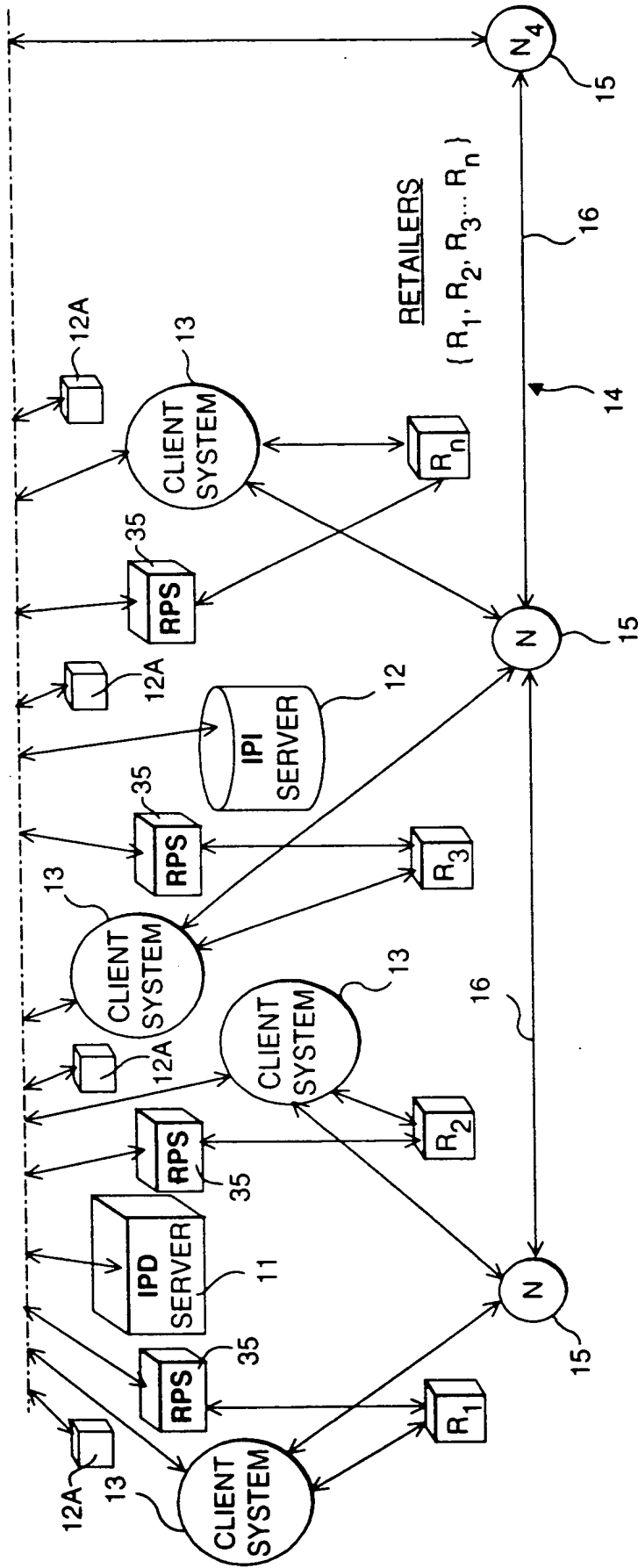
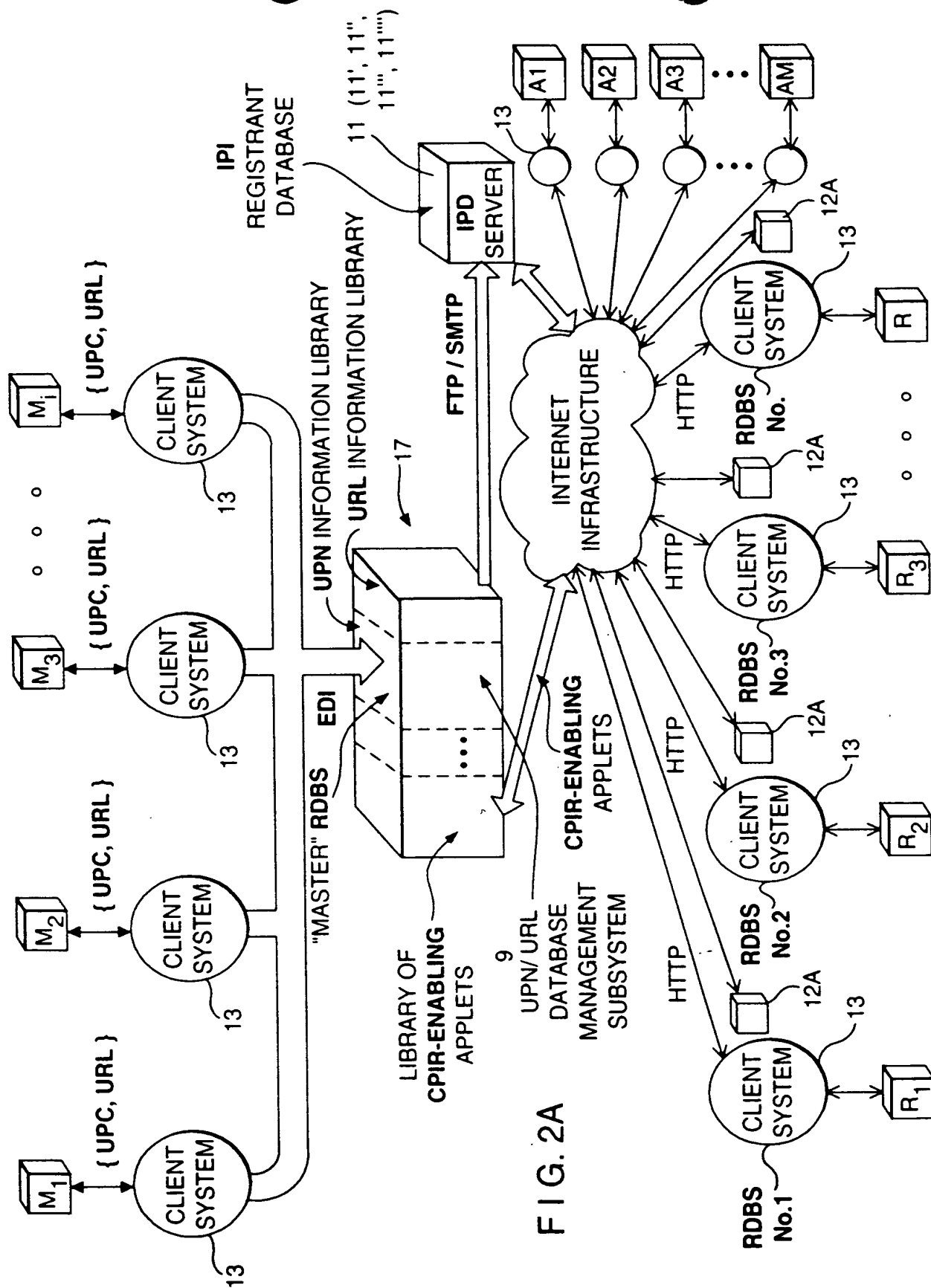
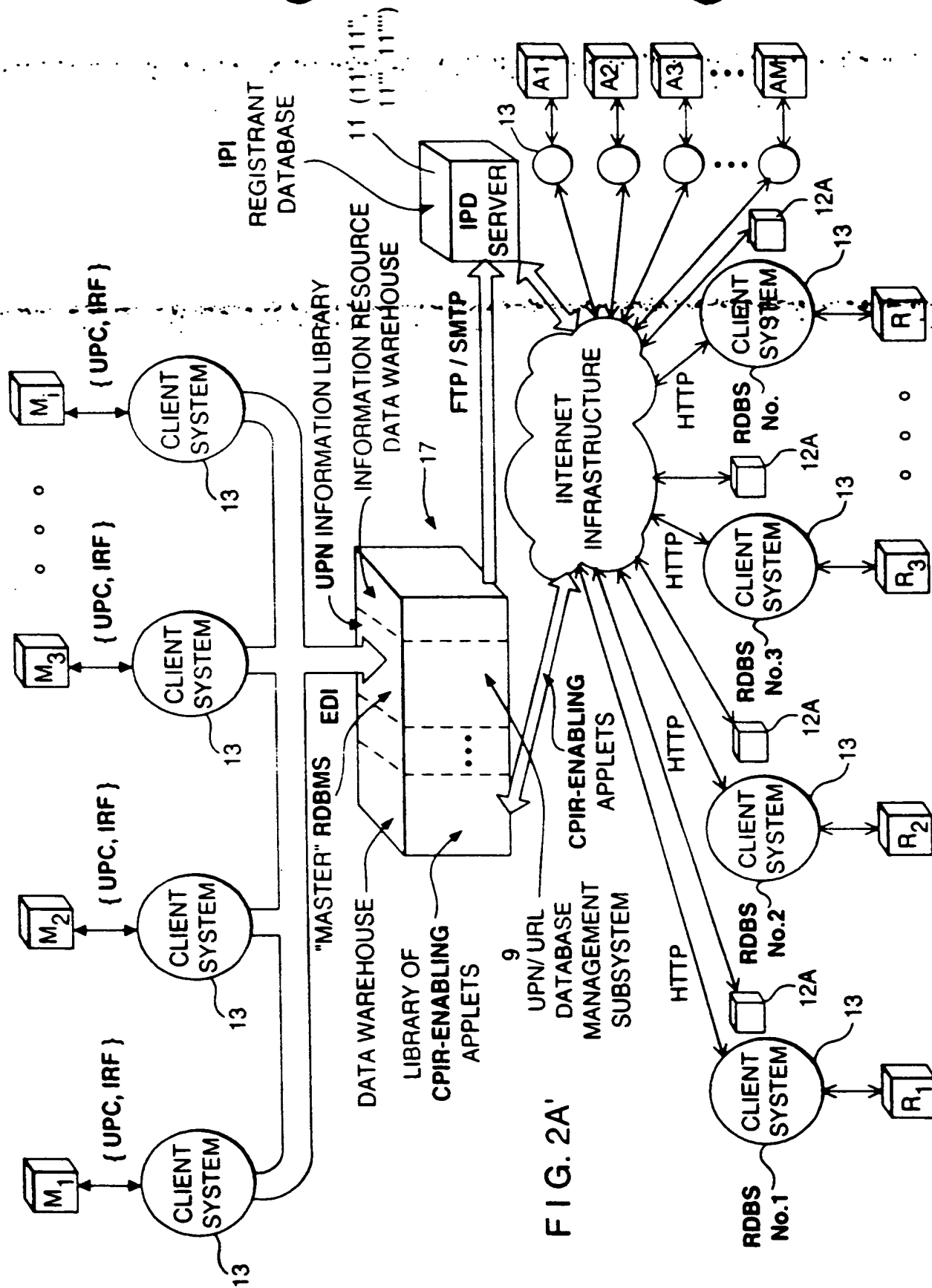


FIG. 2-2





MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM RDBMS SERVER USING SERVER-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS

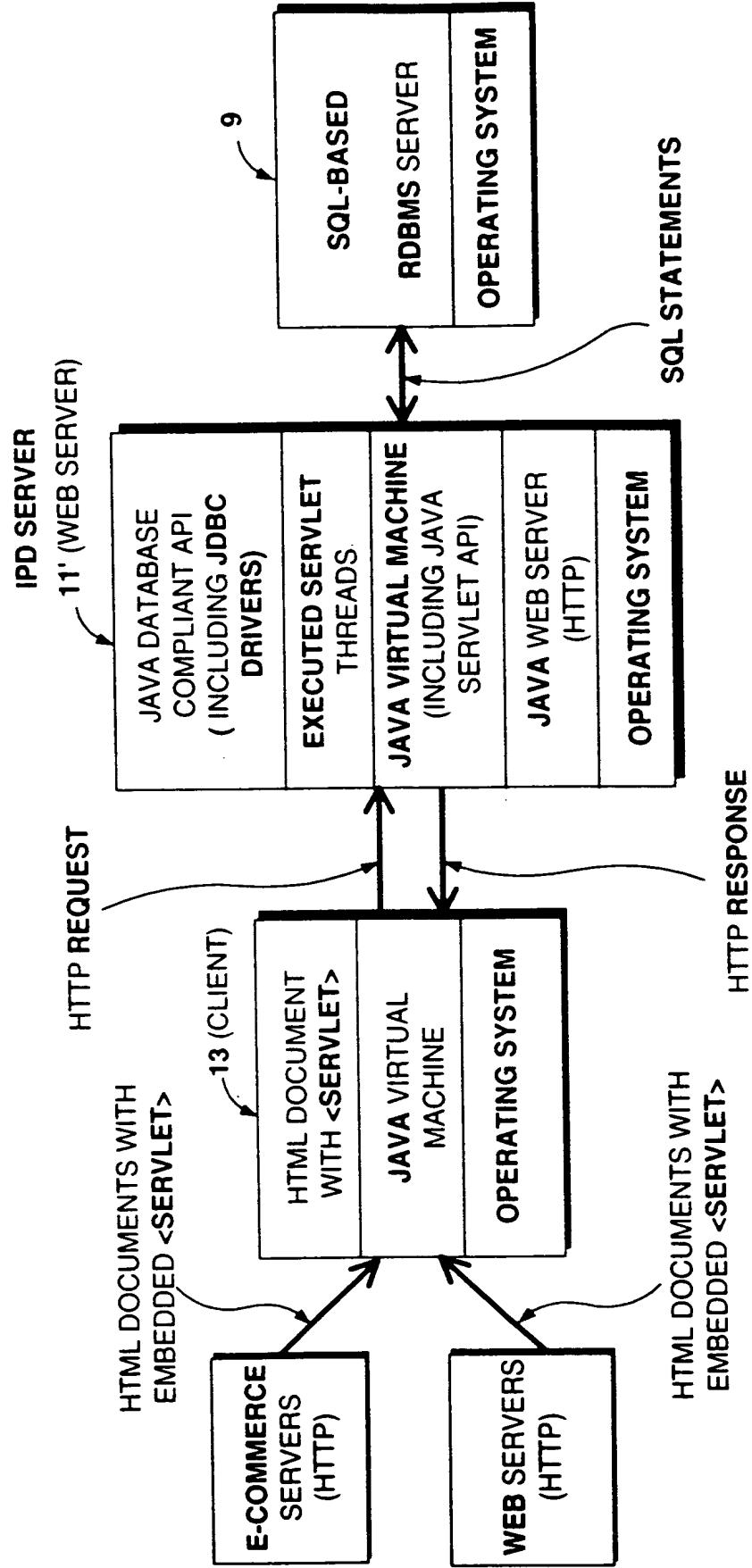


FIG. 2B1

MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM RDBMS SERVER USING CLIENT-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS AND CGIs

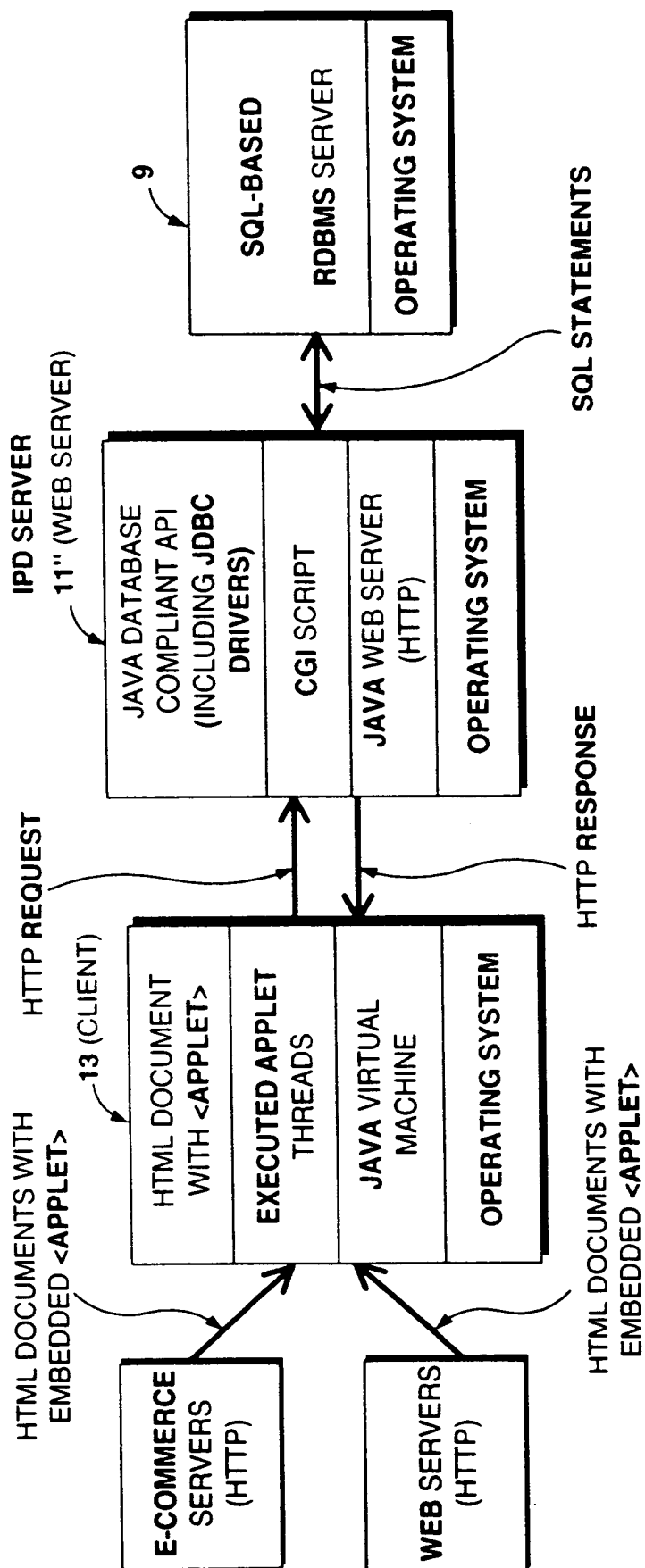


FIG. 2B2

MECHANISM FOR ACCESSING CONSUMER PRODUCT INFORMATION FROM
RDBMS SERVER USING **CLIENT-SIDE APPLETS EMBEDDED IN HTML DOCUMENTS**
AND REMOTE METHOD OF INVOCATION (RMI) ON JAVA WEB SERVER

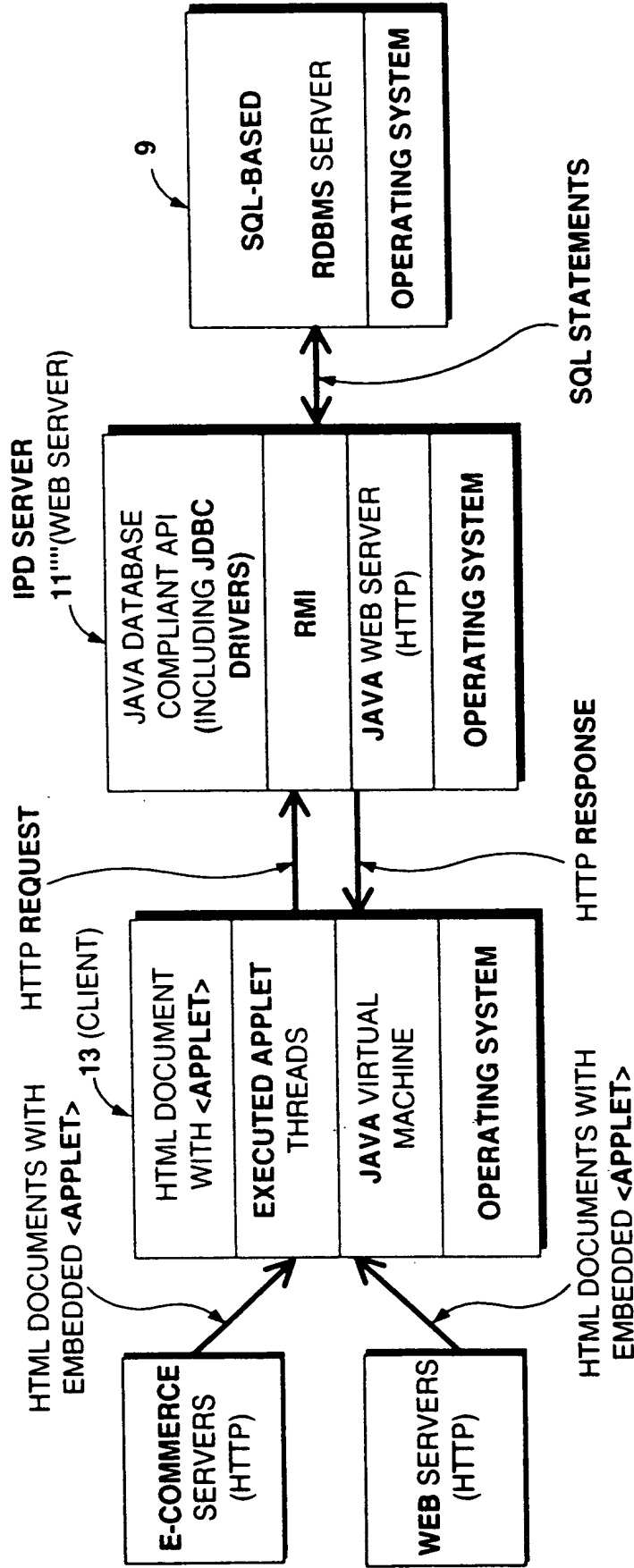


FIG. 2B4

FIG. 2C

FIG. 2C

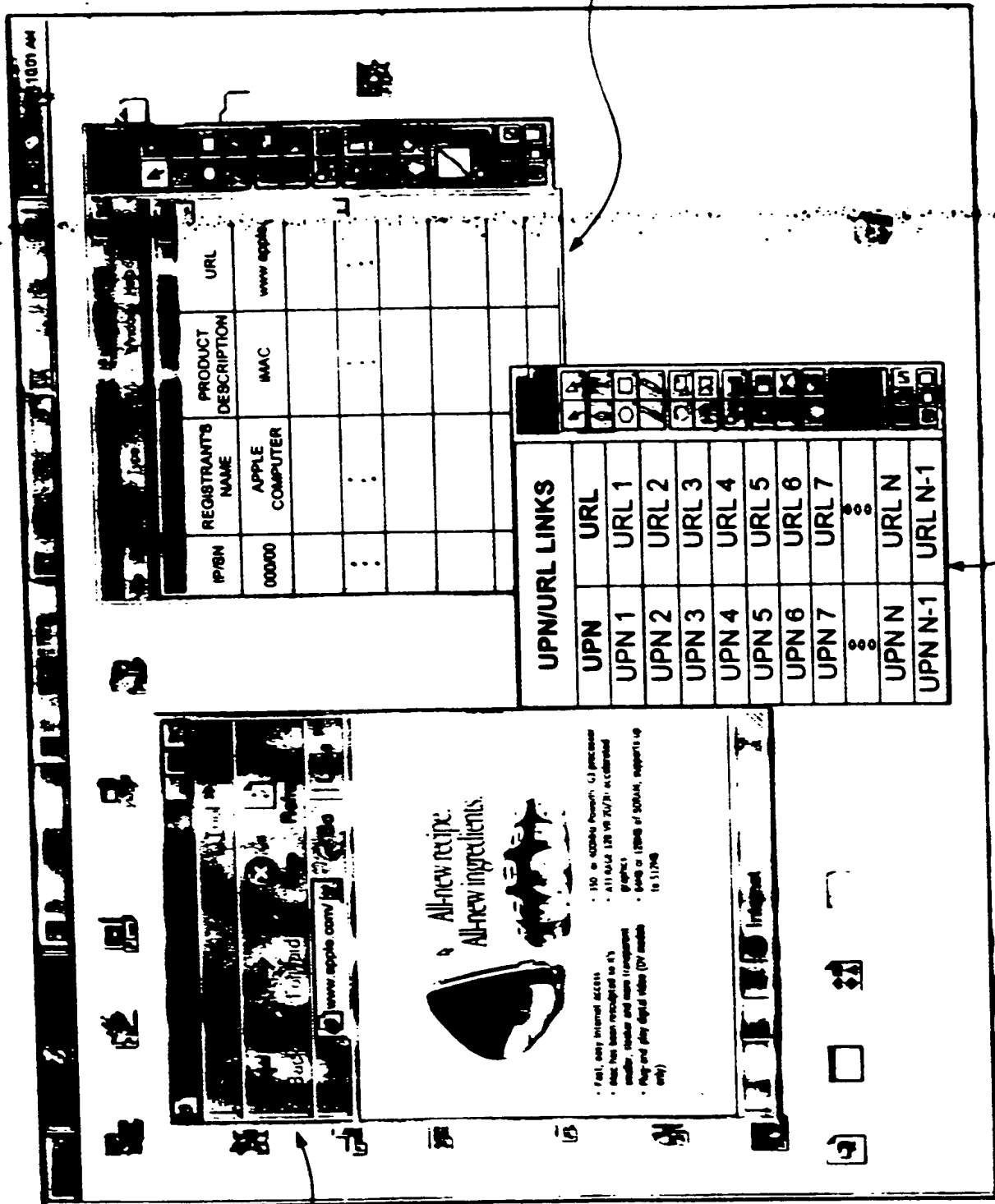
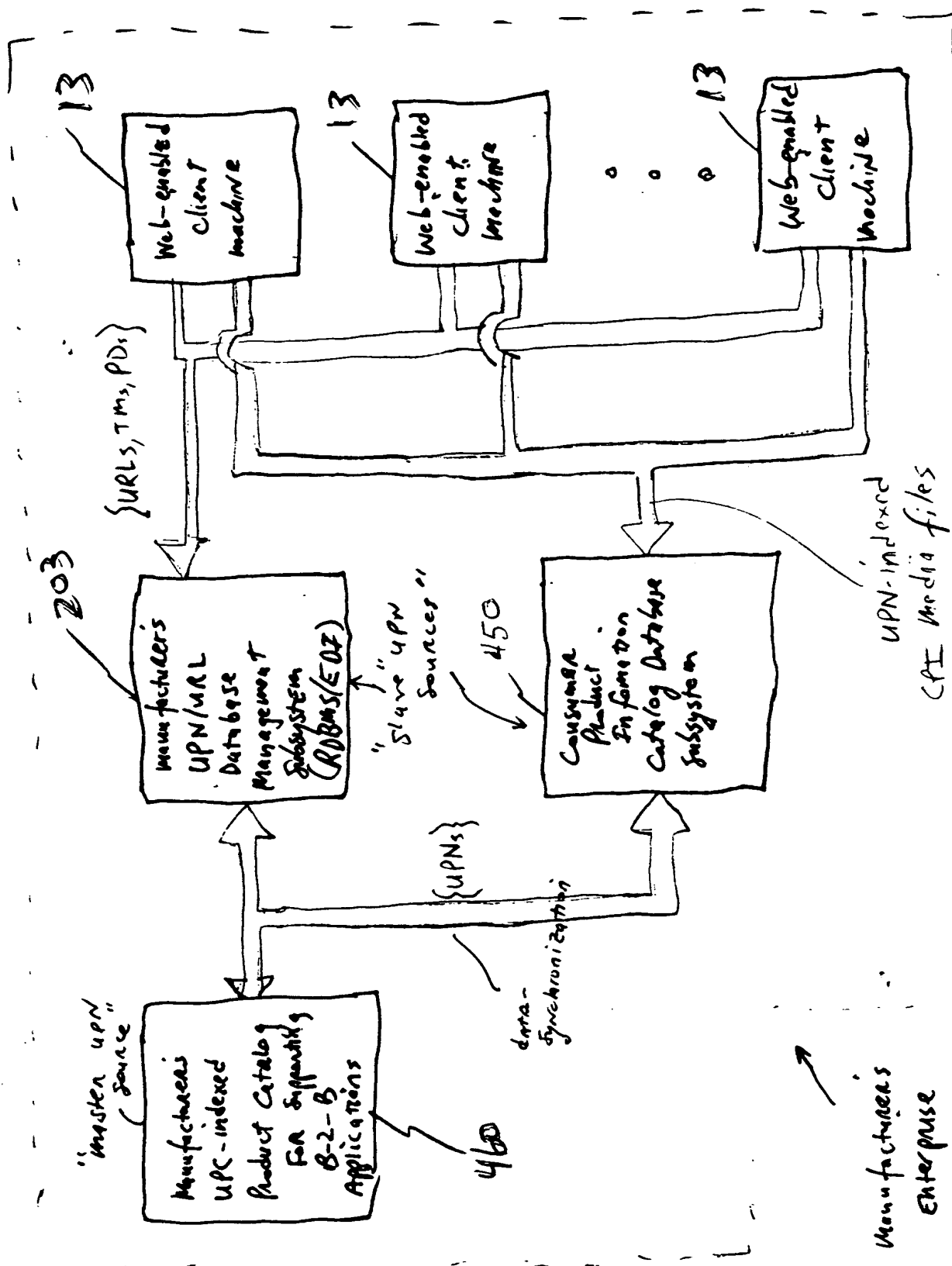


FIG. 2C



DISTRIBUTED METHOD AND SYSTEM OF UPC/URL MANAGEMENT OVER A LAN OR WAN

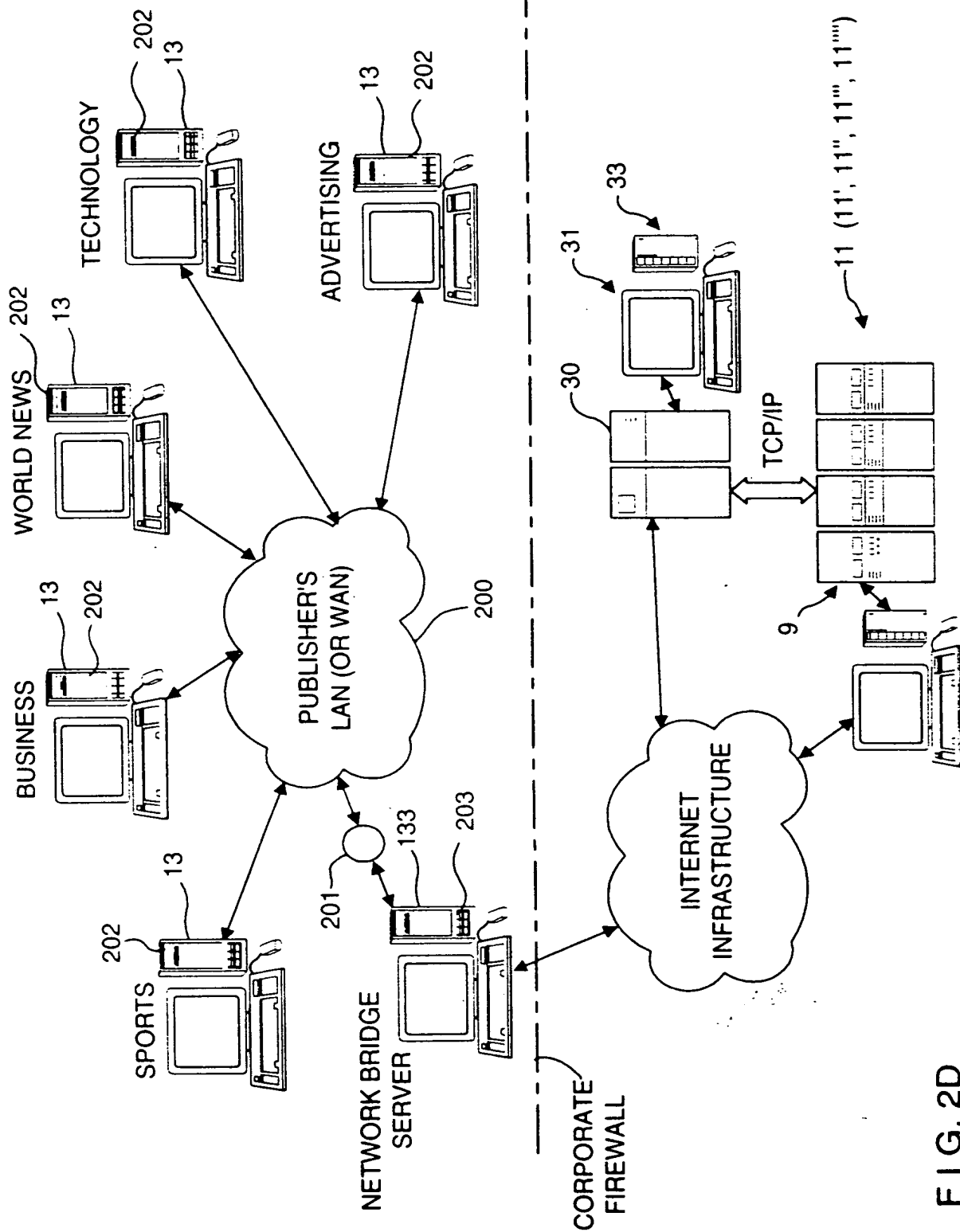


FIG. 2D

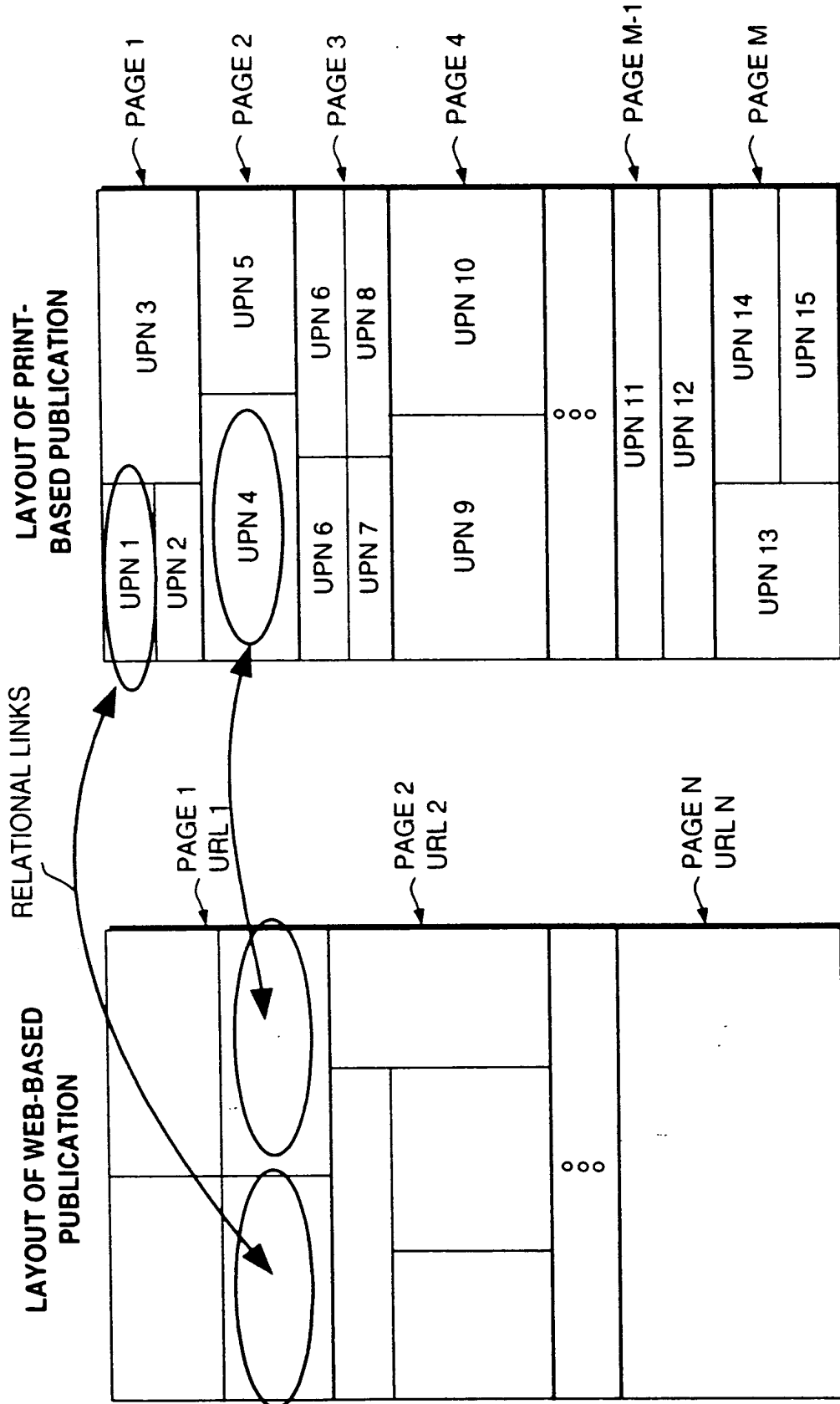


FIG. 2E1

FIG. 2E2

UPN/URL LINKS	
UPN	URL
UPN 1	URL 1
UPN 2	URL 2
UPN 3	URL 3
UPN 4	URL 4
UPN 5	URL 5
UPN 6	URL 6
UPN 7	URL 7
UPN 8	URL 8
UPN 9	URL 9
UPN 10	URL 10
UPN 11	URL 11
UPN 12	URL 12
UPN 13	URL 13
⋮	⋮
UPN N	URL N
UPN N-1	URL N-1

400

FIG. 2E3

COMPOSITION/EDITORIAL MODE

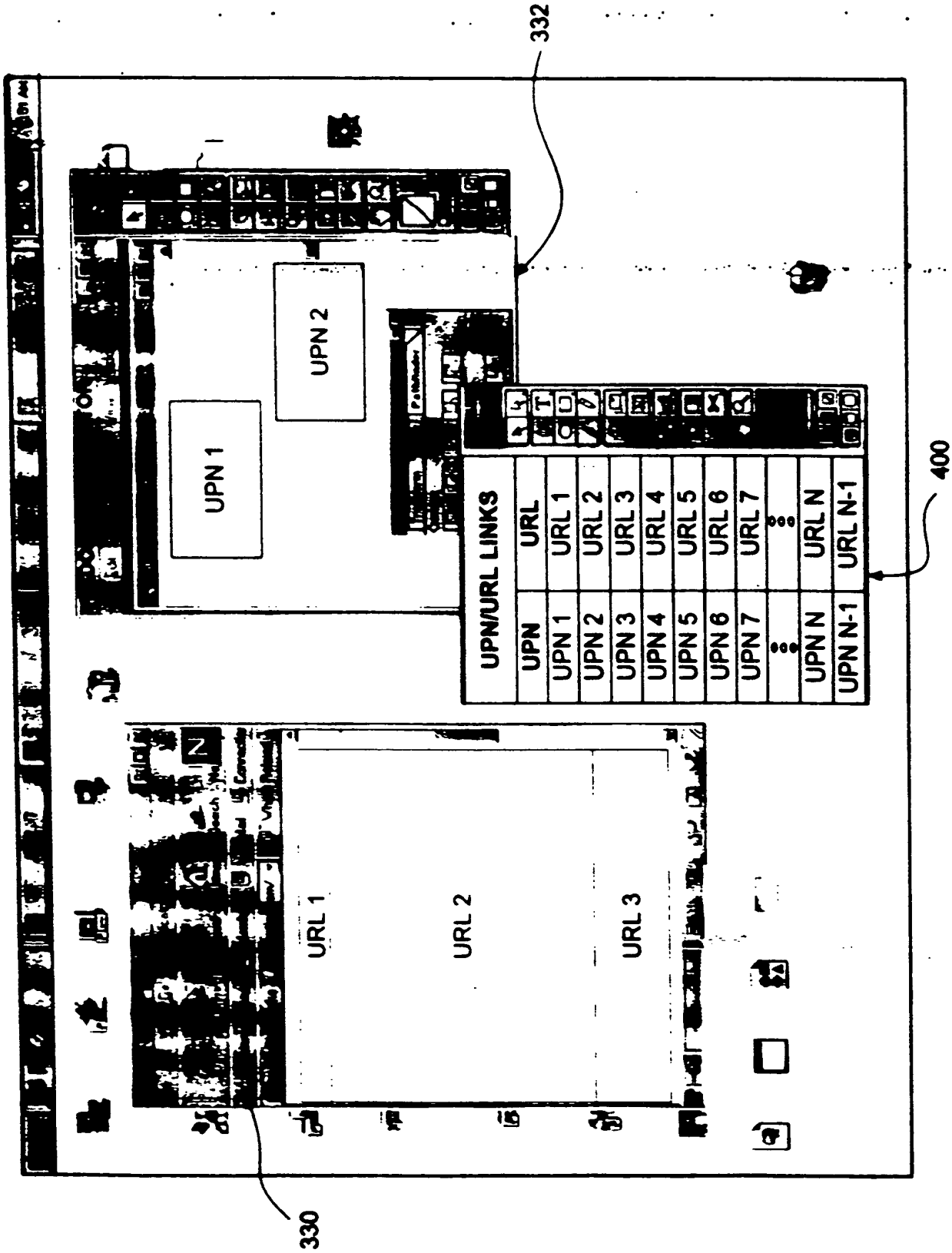


FIG. 2E4

000000" 00000000

17/105

UPN/URL DATA LINKING MODE

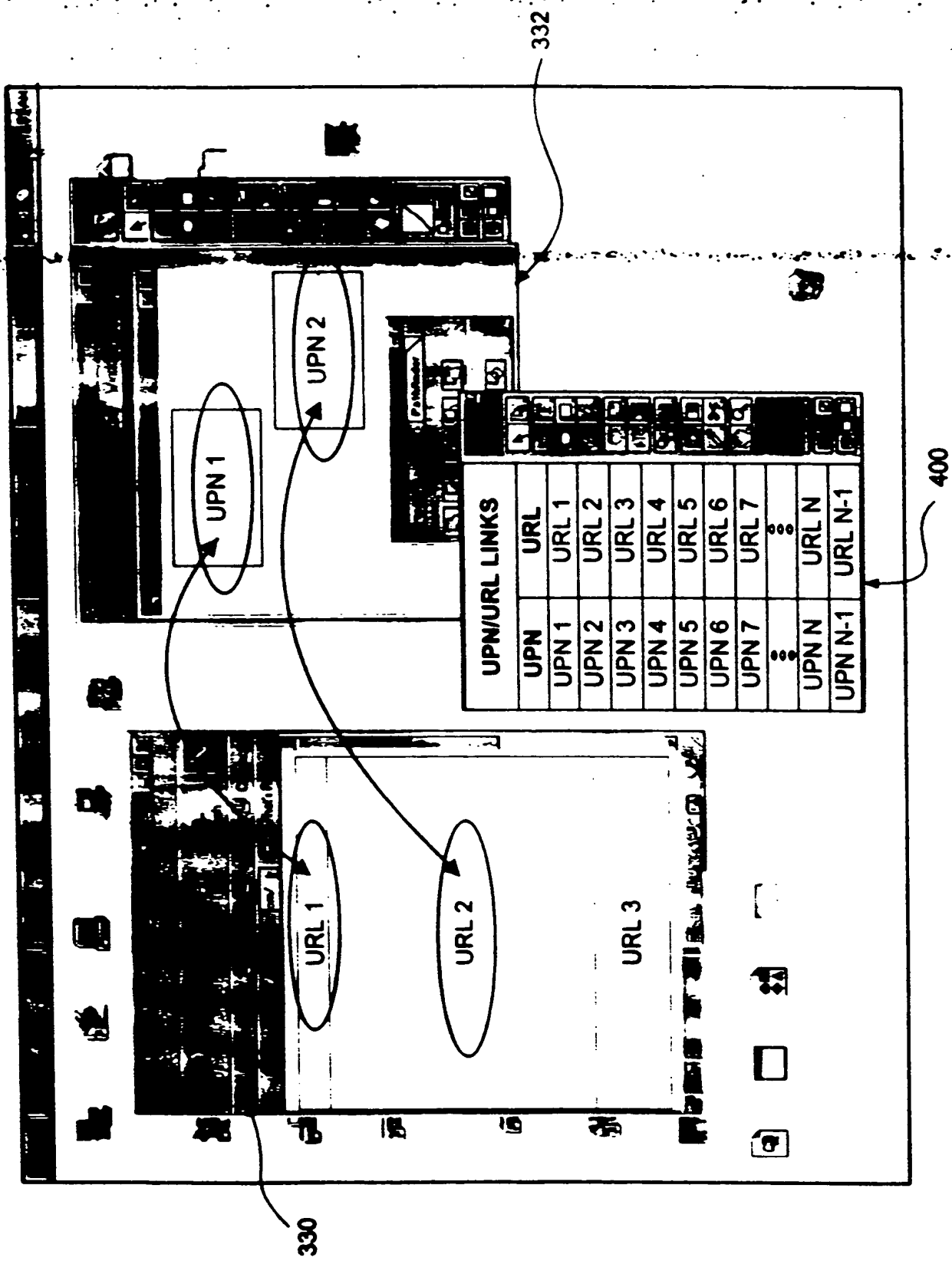
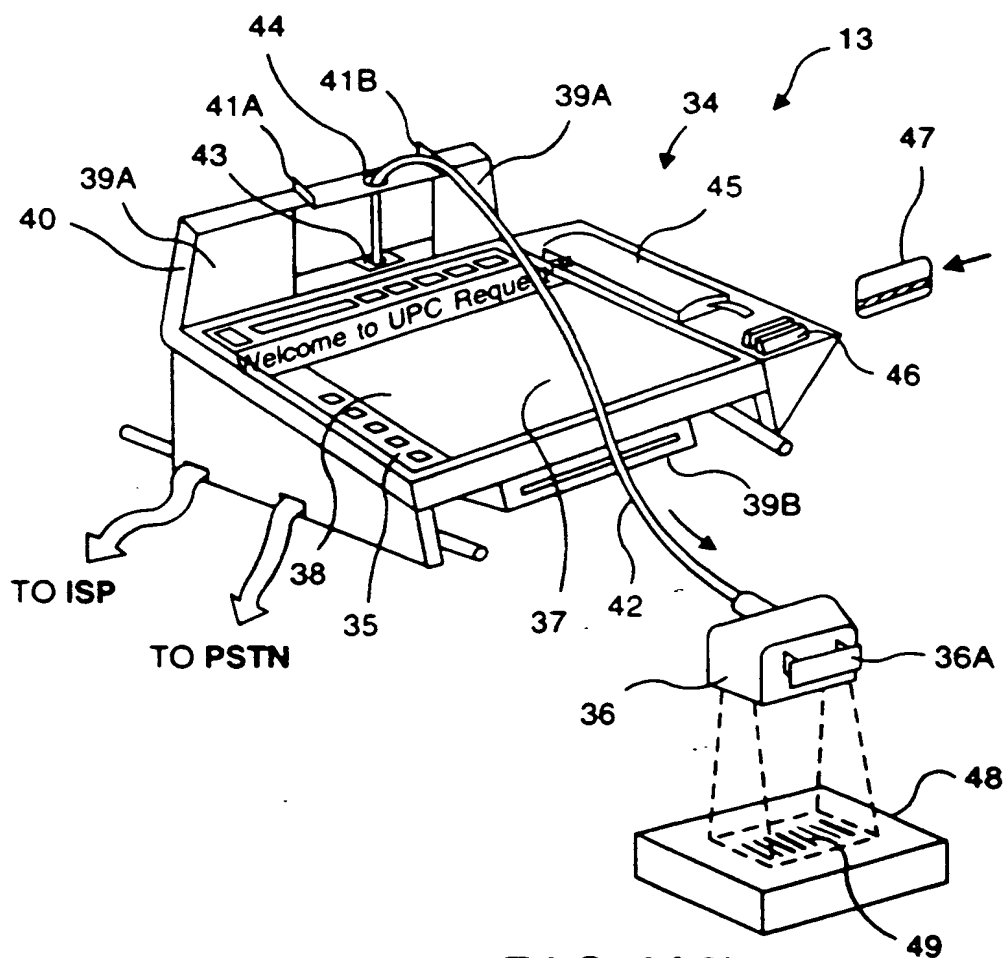
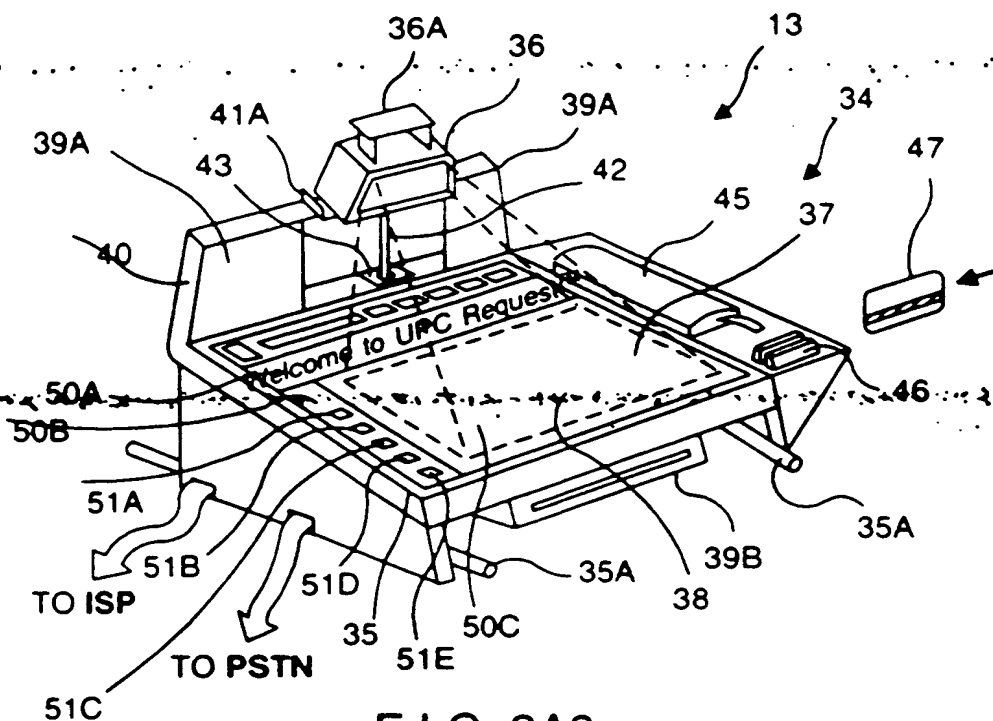


FIG. 2E5



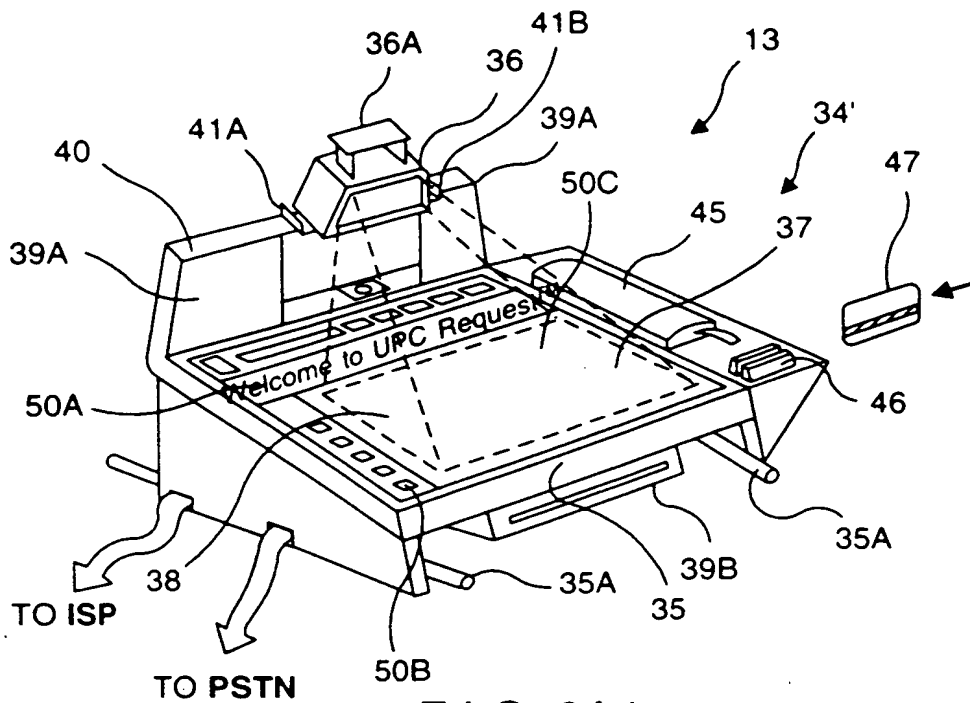


FIG. 3A4

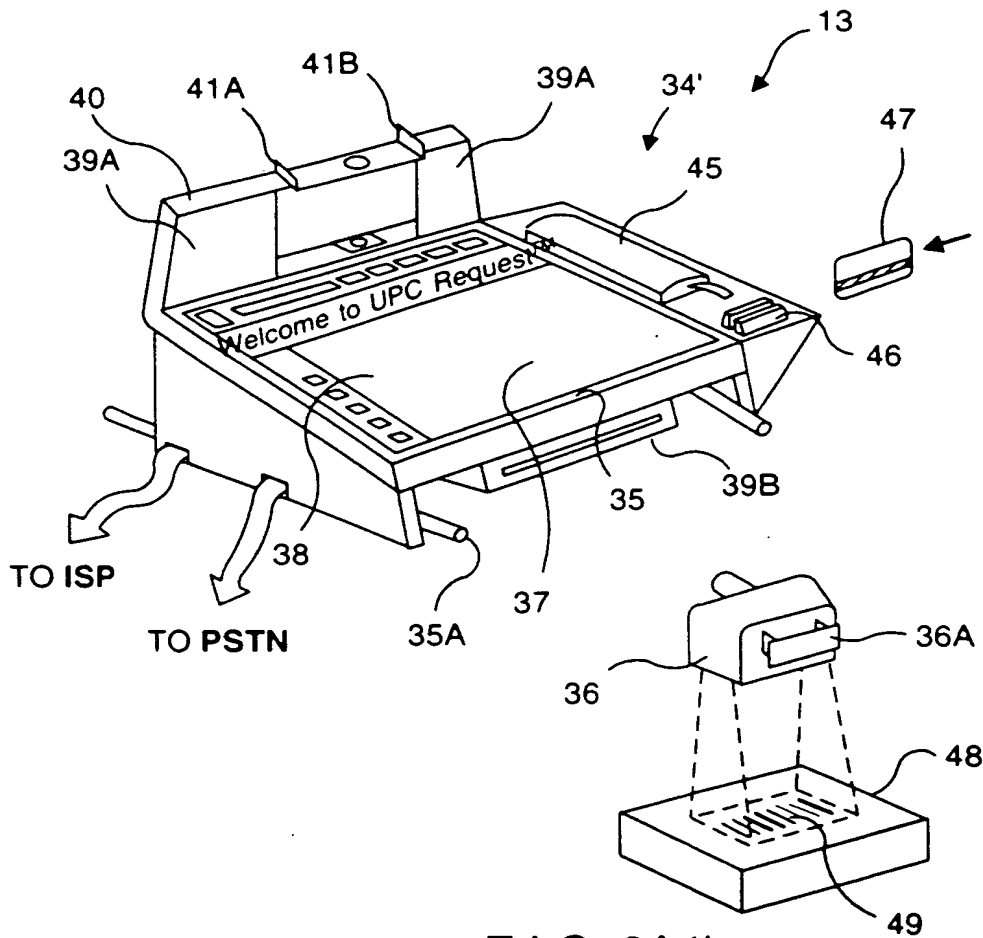


FIG. 3A4'

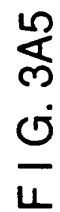


FIG. 3A5

22/105

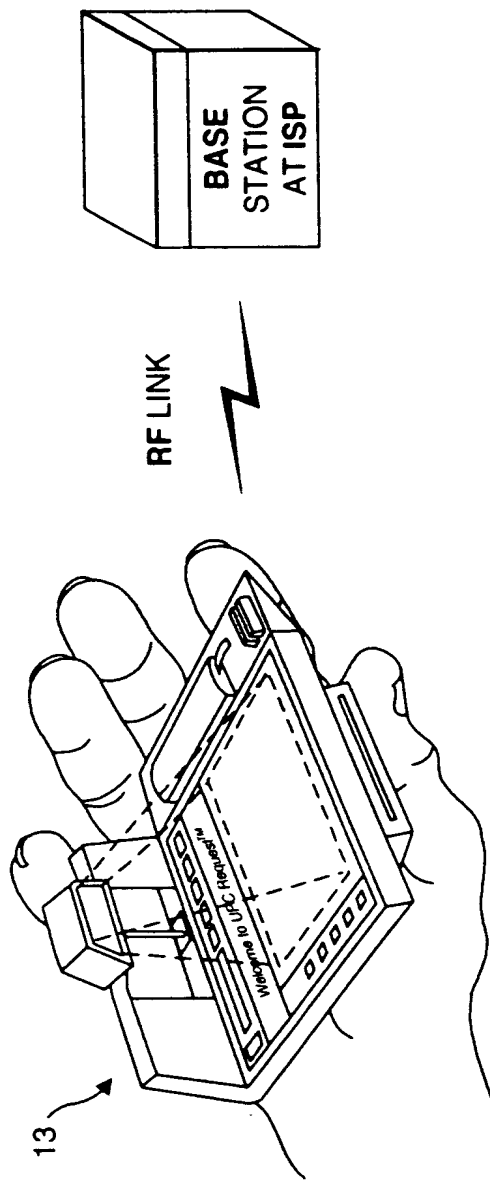


FIG. 3A6

23/105

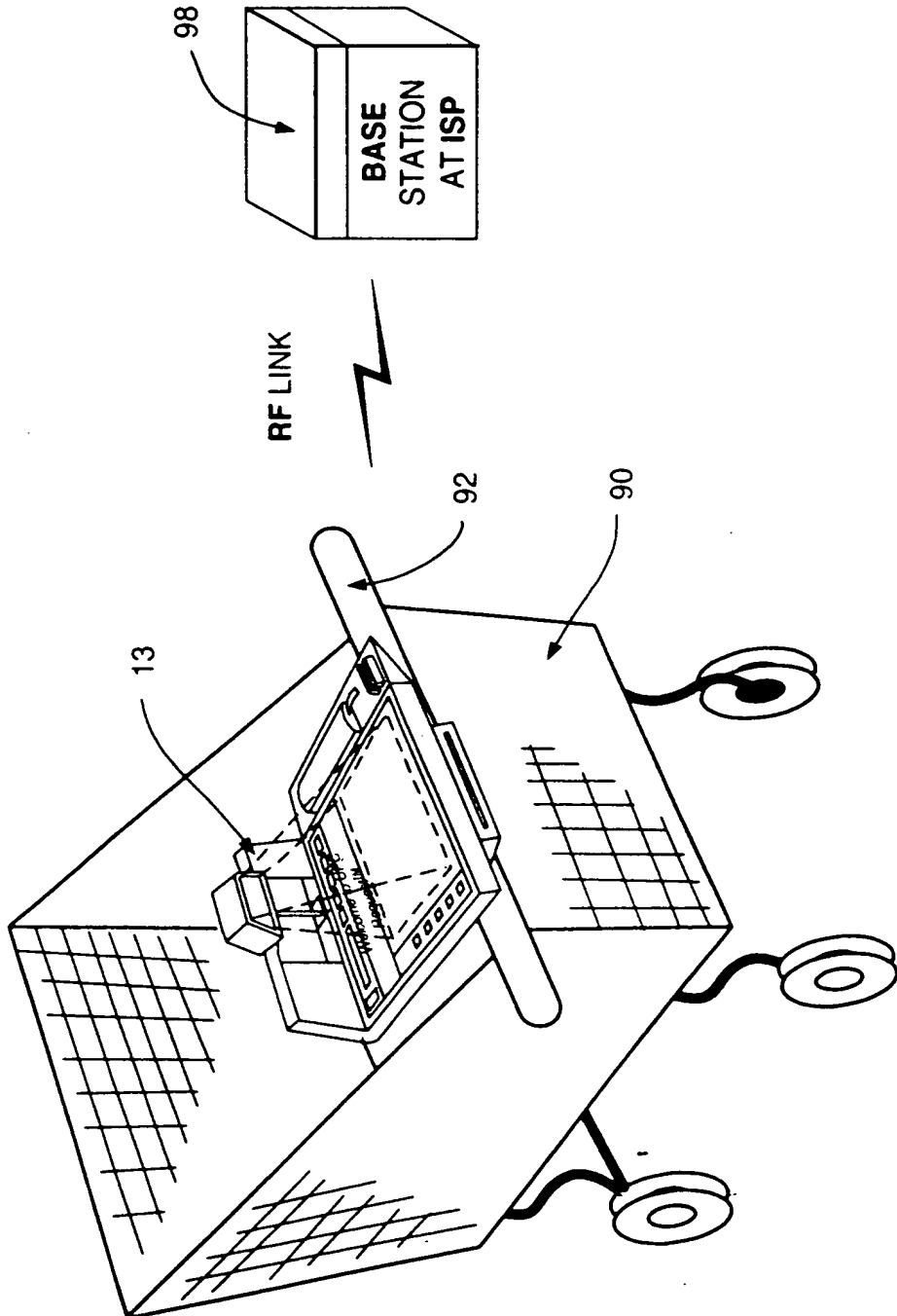


FIG. 3A7

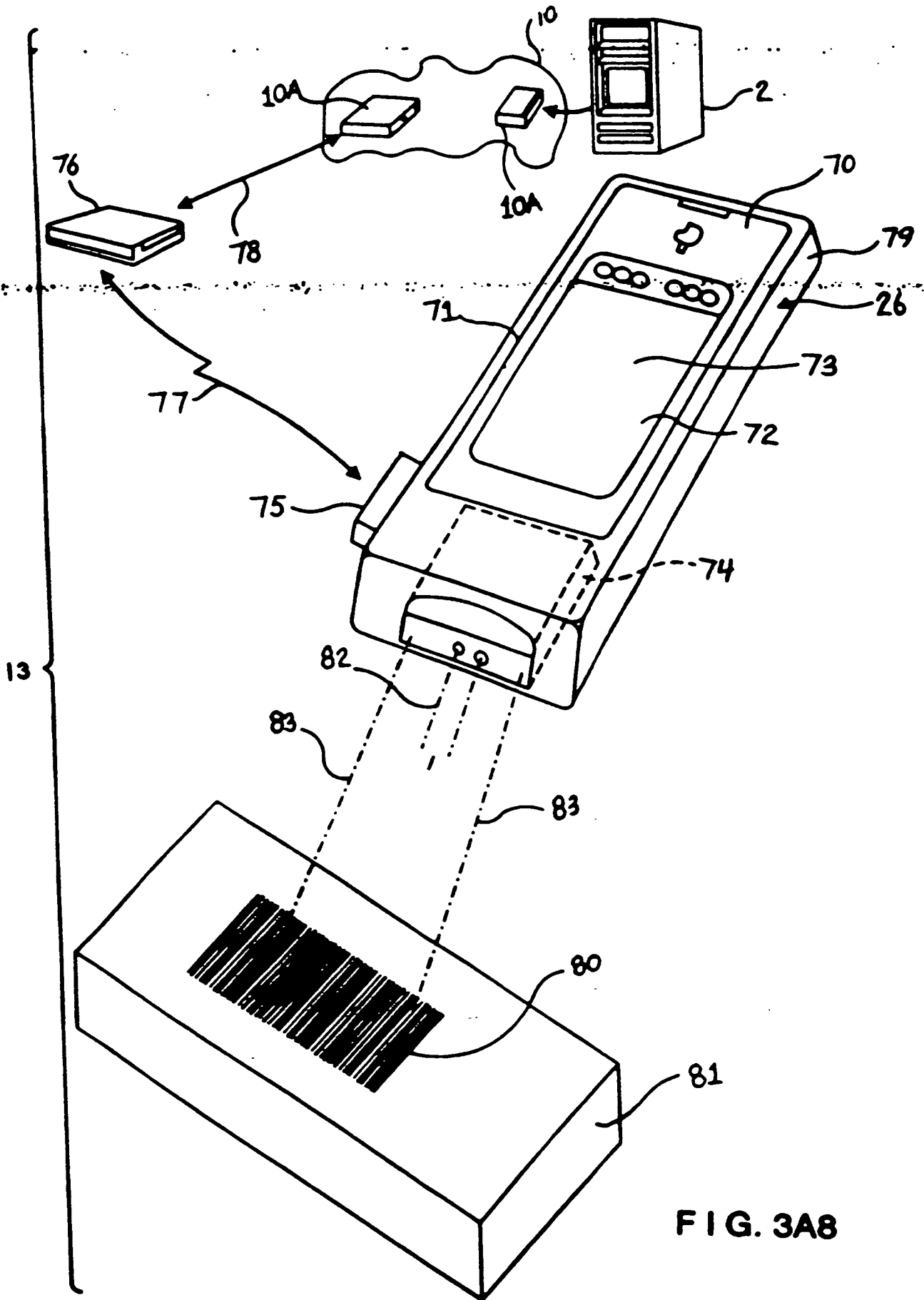


FIG. 3A8

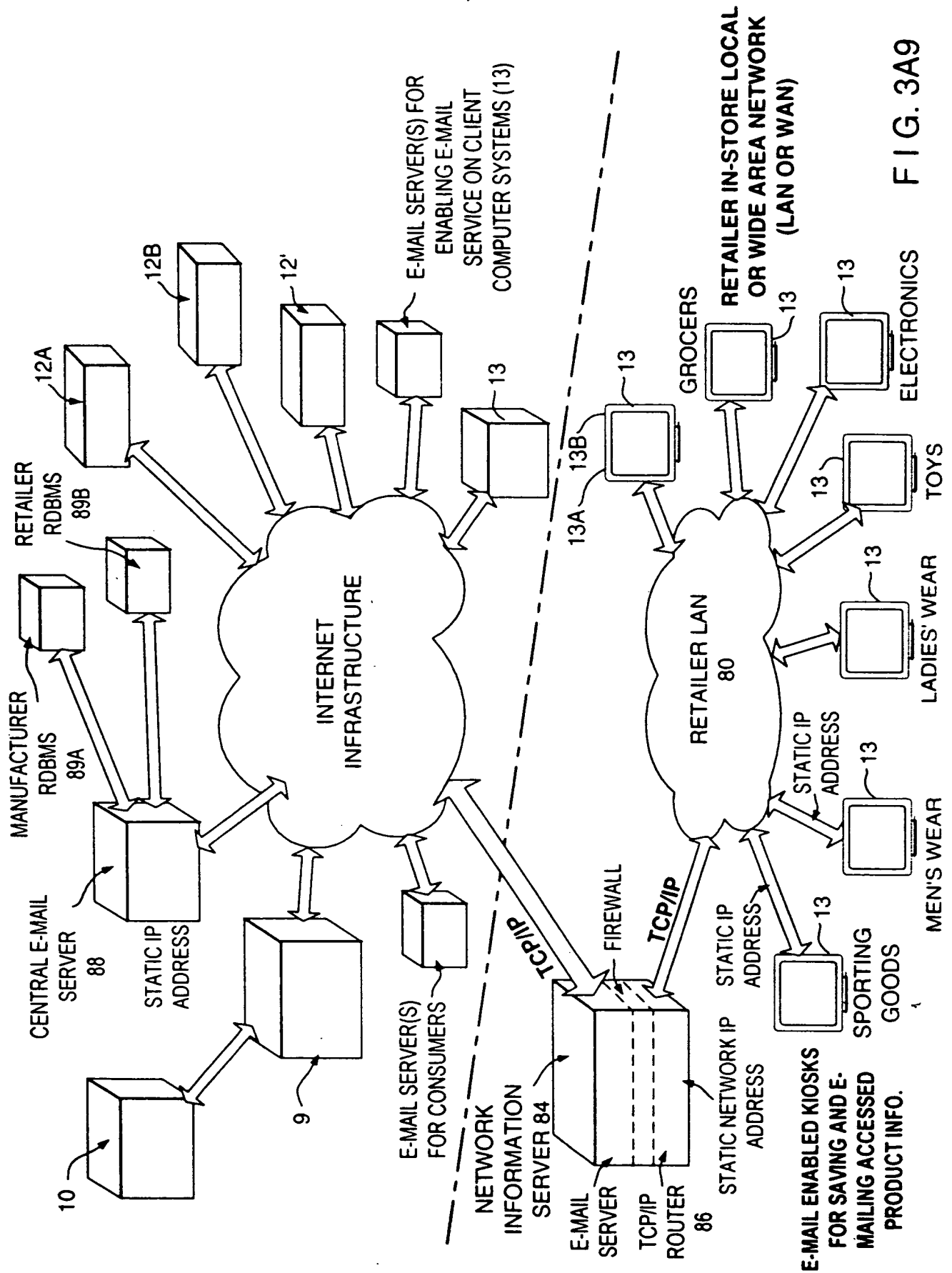


FIG. 3A9

26/105

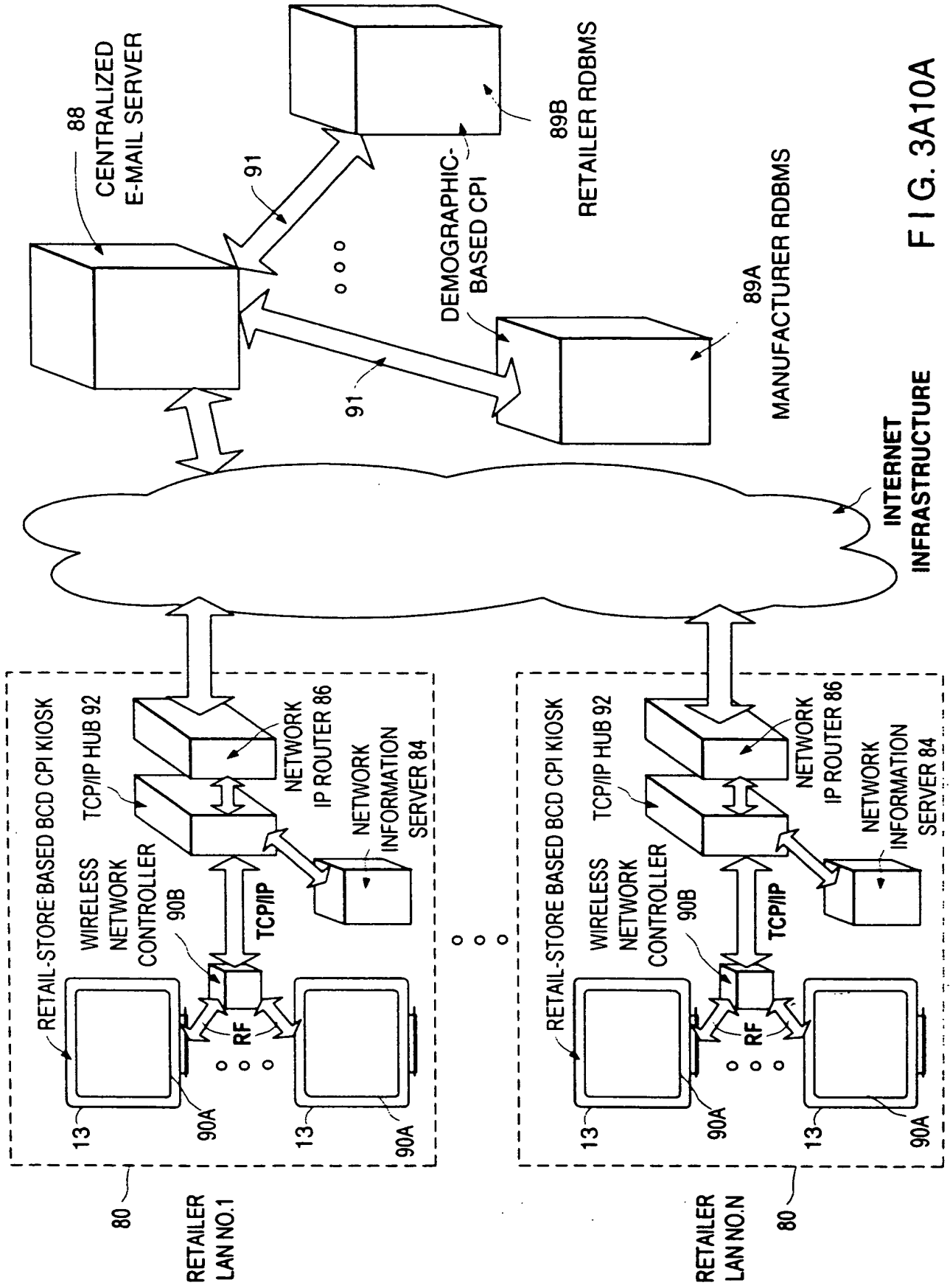
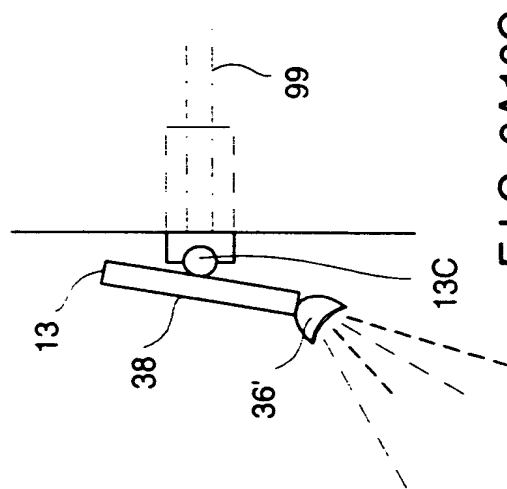
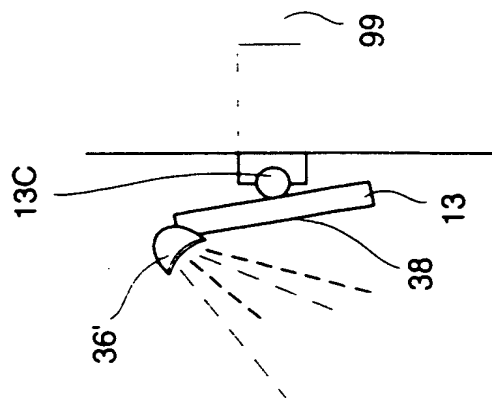
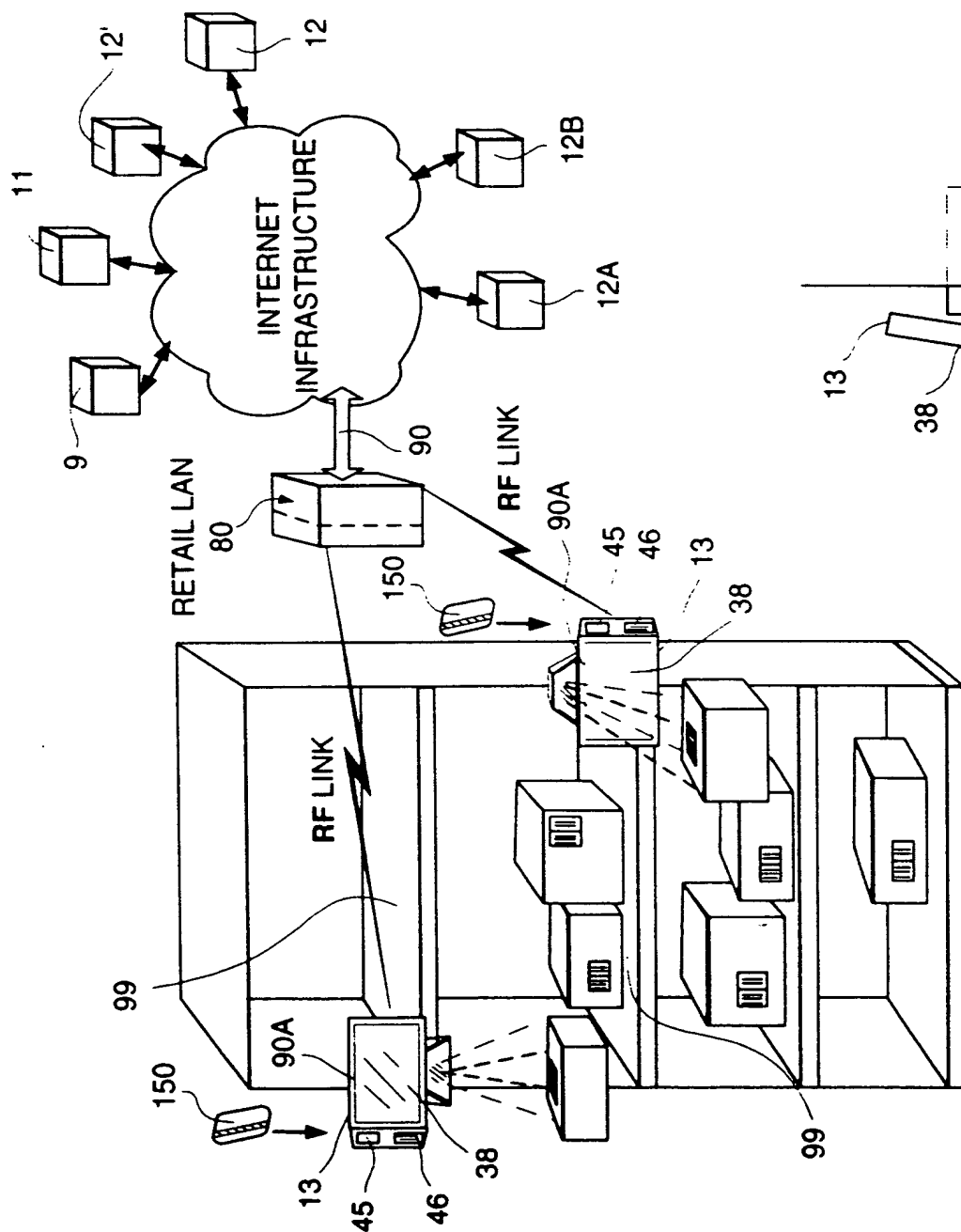


FIG. 3A10A



[illegible]

FIG. 3A11

[illegible]

FIG. 3A12

(1) LAUNCH A **CONSUMER PRODUCT INFORMATION (CPI) CAPTURE** AND TRANSPORT APPLICATION SERVICE ON AN INTERNET ENABLED **BAR CODE DRIVEN (BCD) CPI KIOSK** OF THE PRESENT INVENTION CONFIGURED IN A RETAILER TCP/IP LOCAL OR WIDE AREA NETWORK DEPLOYED WITHIN A RETAIL SHOPPING ENVIRONMENT, AND (2) DISPLAY ON THE KIOSK SCREEN A CPI-TRANSPORTING "**ELECTRONIC-MAIL**" ENVELOPE HAVING A JAVA ENABLED GUI PROVIDED WITH

- i) A **FIRST SINGLE-CLICK BUTTON** FOR CAPTURING AND STORING AS AN HTML ENCODED DOCUMENT THEREIN, ANY CPI RELATED DOCUMENT BEING DISPLAYED ON THE BCD CPI KIOSK
- ii) A **SECOND SINGLE-CLICK BUTTON** FOR TRANSPORTING COPIES OF THE ENVELOPE TO THE E-MAIL ADDRESS OF CONSUMER
- iii) A **CONSUMER E-MAIL ADDRESS FIELD** FOR ENTERING THE E-MAIL ADDRESS OF THE CONSUMER/SHOPPER, TO WHICH A COPY OF THE E-MAIL ENVELOPE CAN BE AUTOMATICALLY SENT DURING TRANSPORT
- iv) A **RETAILER E-MAIL ADDRESS FIELD** CONTAINING A PRESENT E-MAIL ADDRESS OF THE RETAILER OPERATING THE KIOSK, INDICATING THE RETAIL STORE LOCATION, AND POSSIBLY THE RETAIL DEPARTMENT FROM WHICH THE CPI-TRANSPORTING ENVELOPE WAS SENT ON THE TIME AND DATE OF THE ELECTRONIC MESSAGE TRANSMISSION

A

ENTER THE **CONSUMER E-MAIL ADDRESS** INTO THE CONSUMER E-MAIL ADDRESS FIELD OF THE ENVELOPE (e.g. BY MANUALLY TYPING THE E-MAIL ADDRESS, READING A BAR CODED CONSUMER IDENTIFICATION CARD HAVING THE CONSUMER'S E-MAIL ADDRESS AND OTHER INFORMATION ENCODED THEREWITHIN, OR BY READING A MAGNETIC STRIPE TYPE CONSUMER IDENTIFICATION CARD ENCODED WITH THE SAME OR SIMILAR INFORMATION USING A MAGNETIC STRIPE READER INTERFACED WITH THE BCD CPI KIOSK)

B

A

FIG. 3A13A

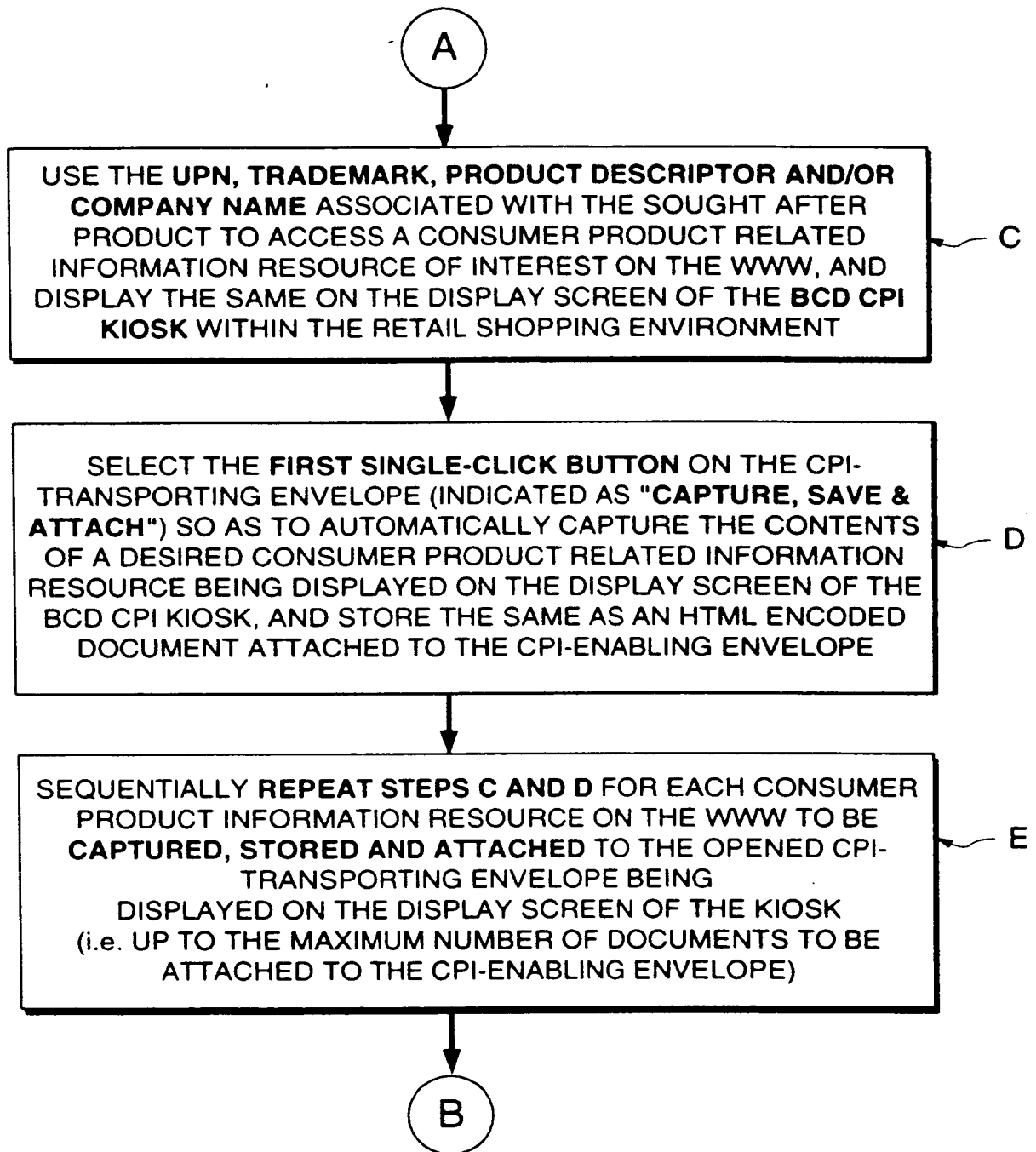


FIG. 3A13B

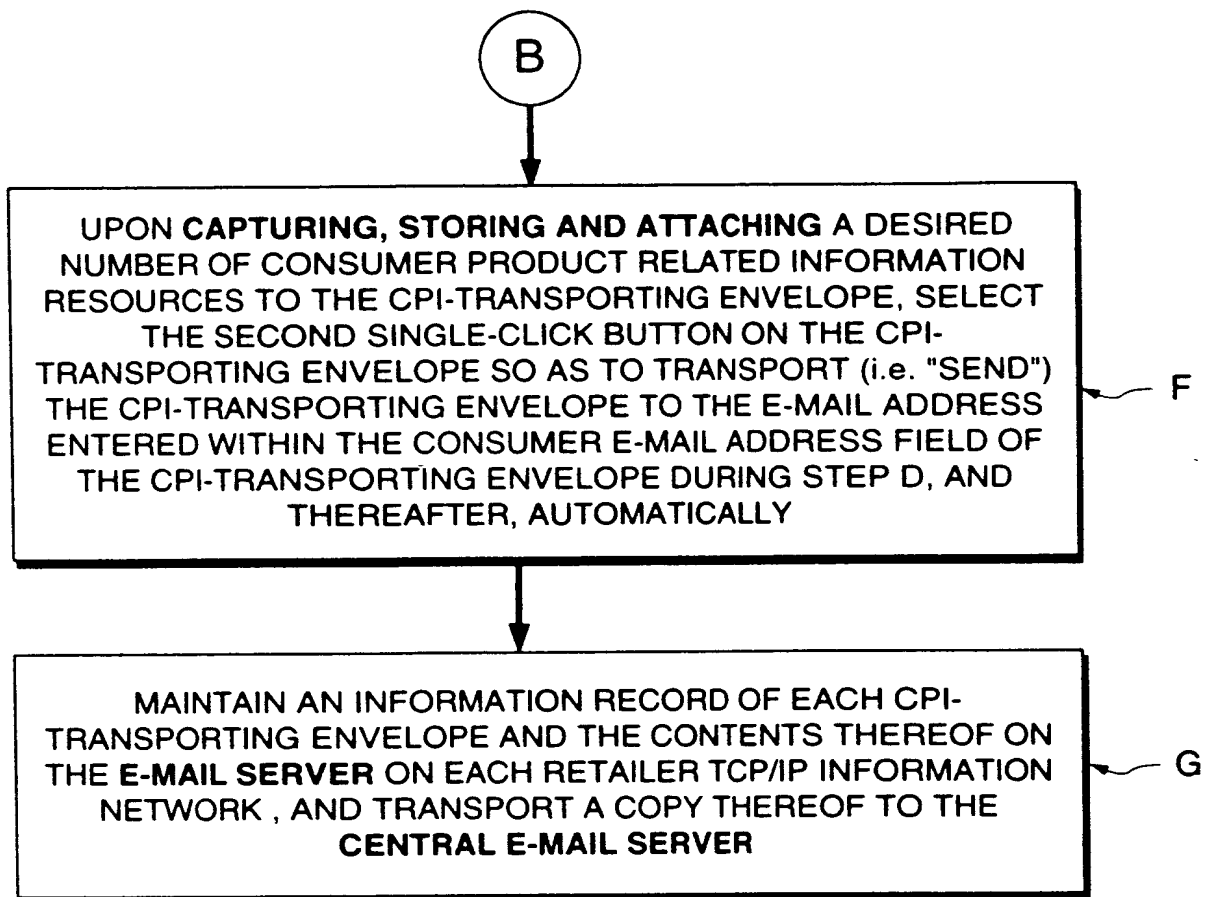


FIG. 3A13C

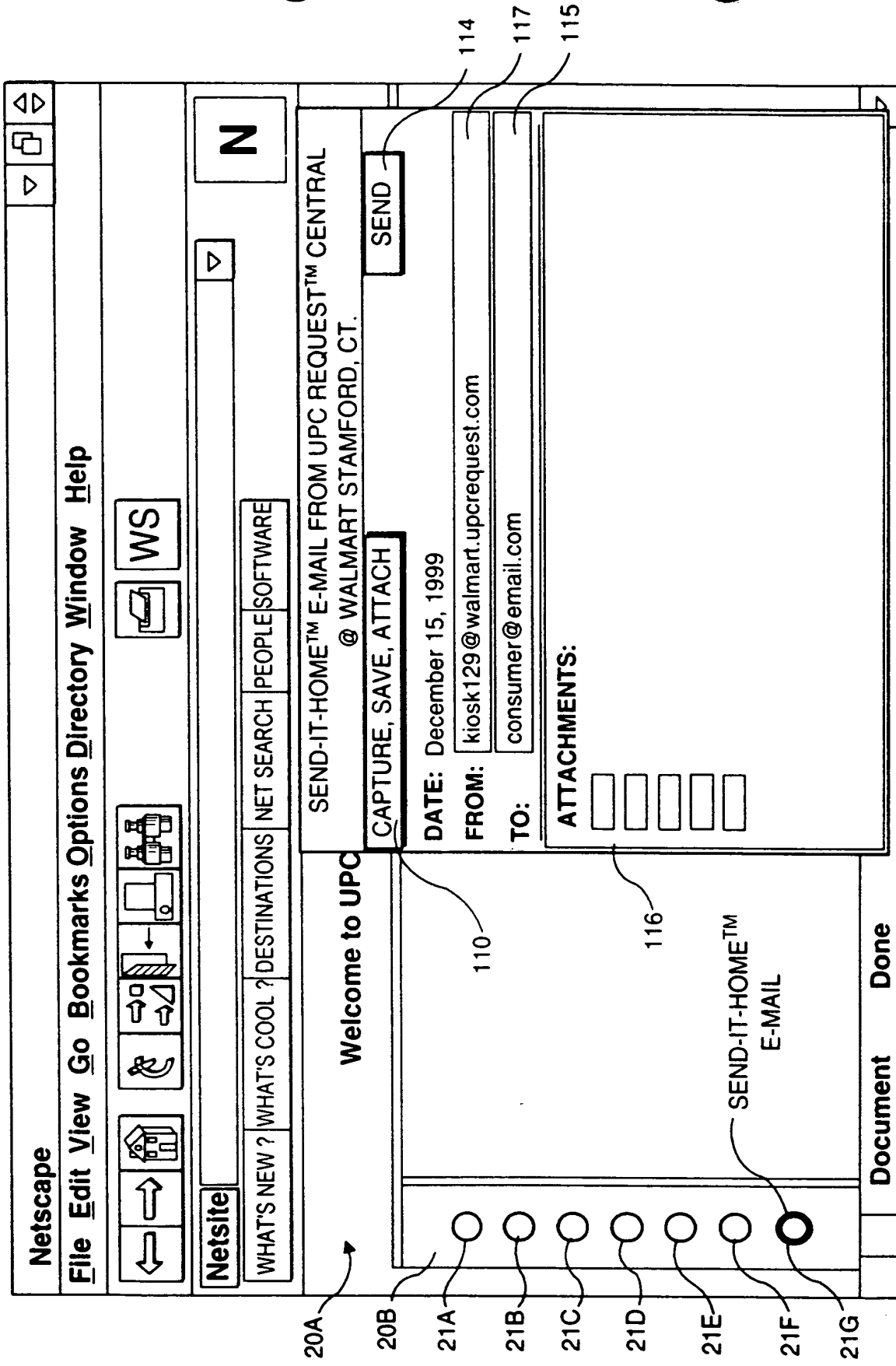


FIG. 3A14

A

B




FIG. 3A15A

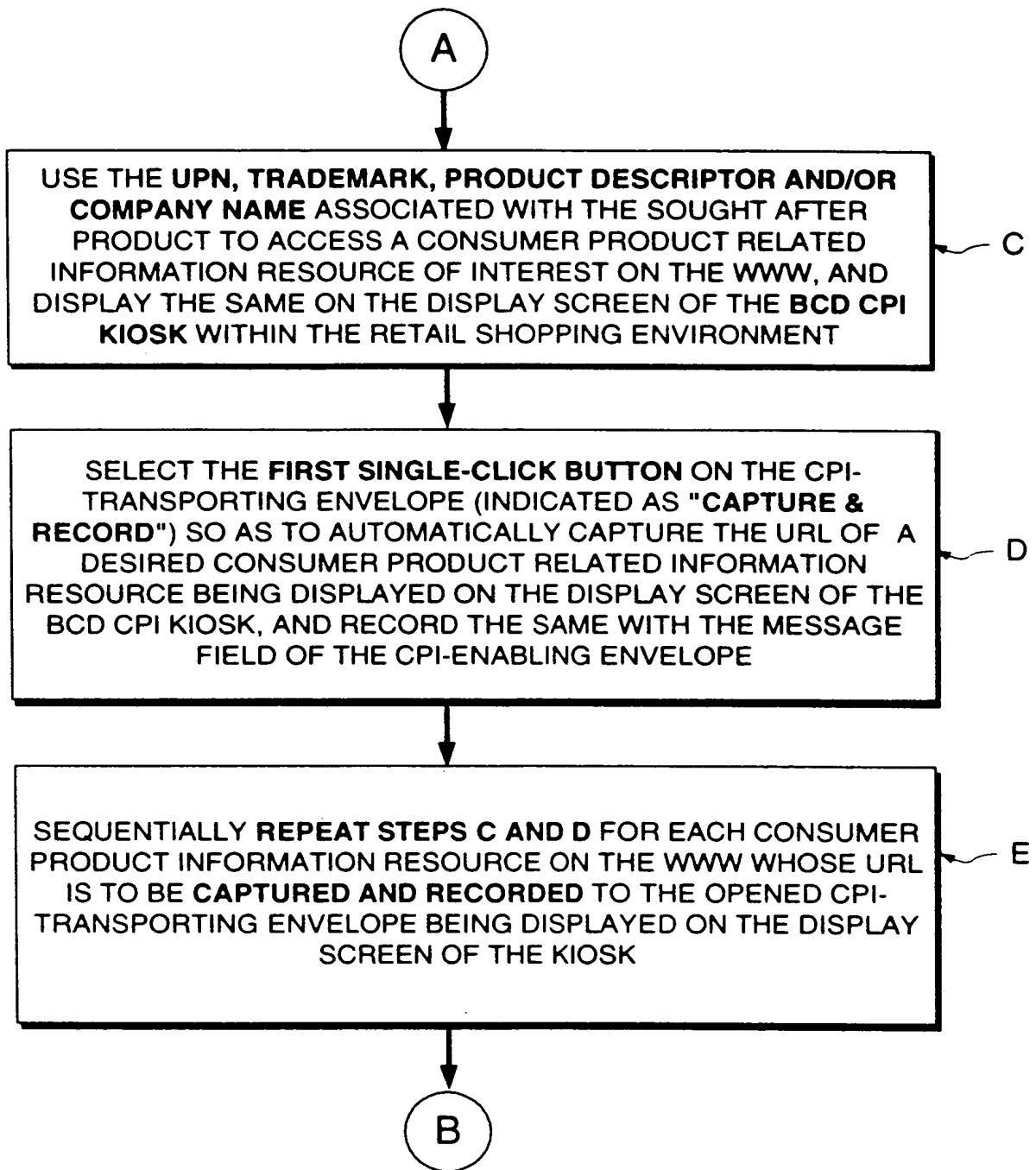


FIG. 3A15B

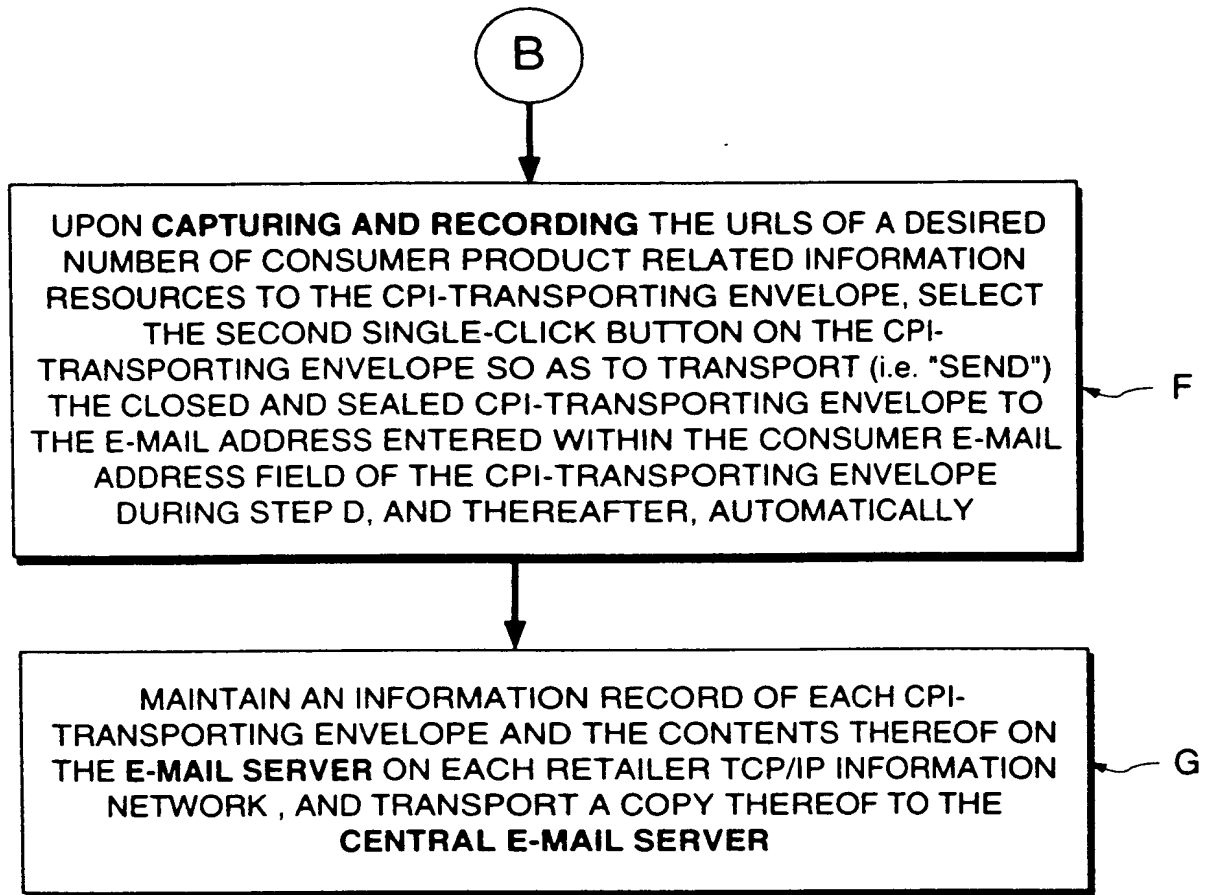


FIG. 3A15C

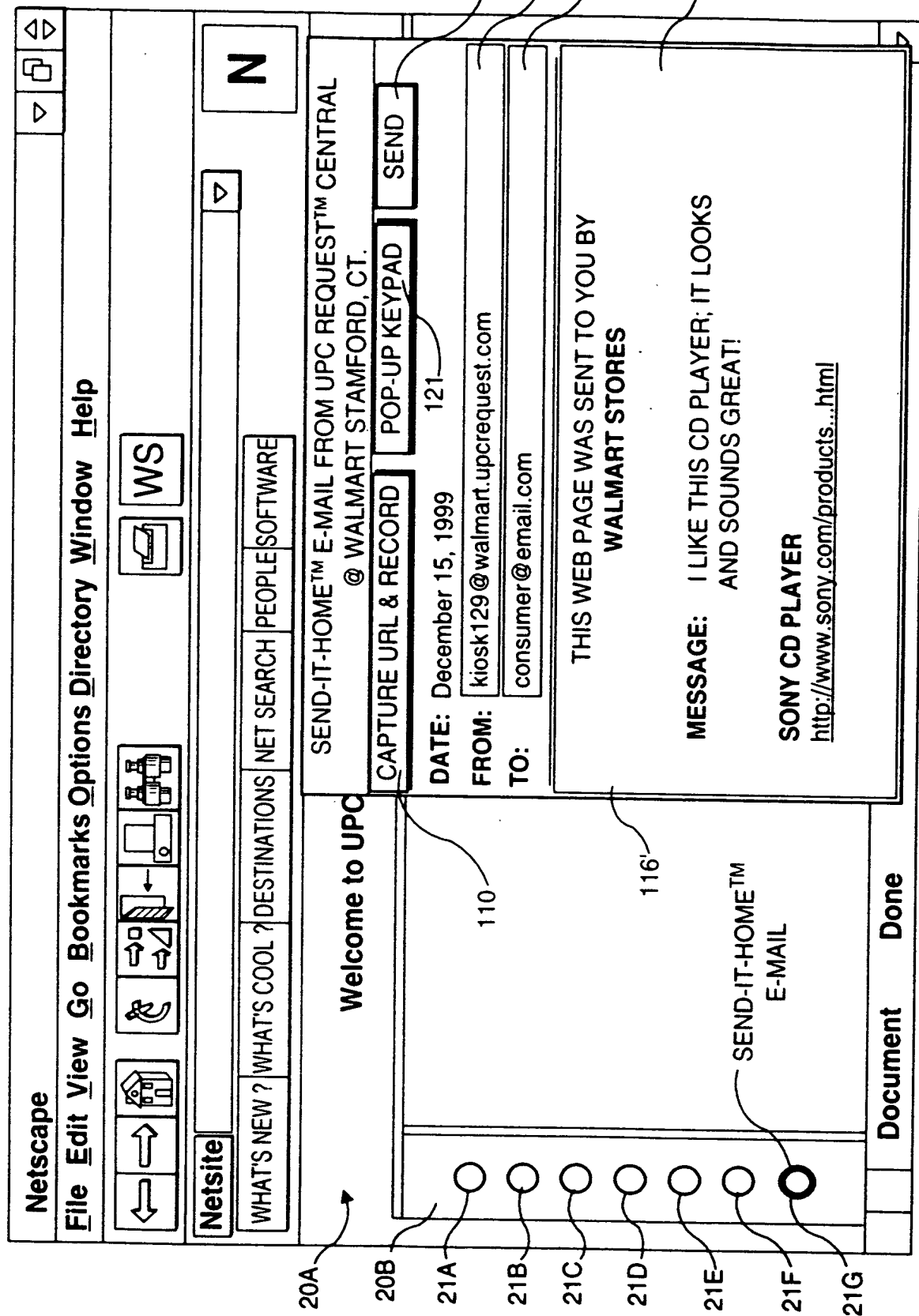


FIG. 3A16

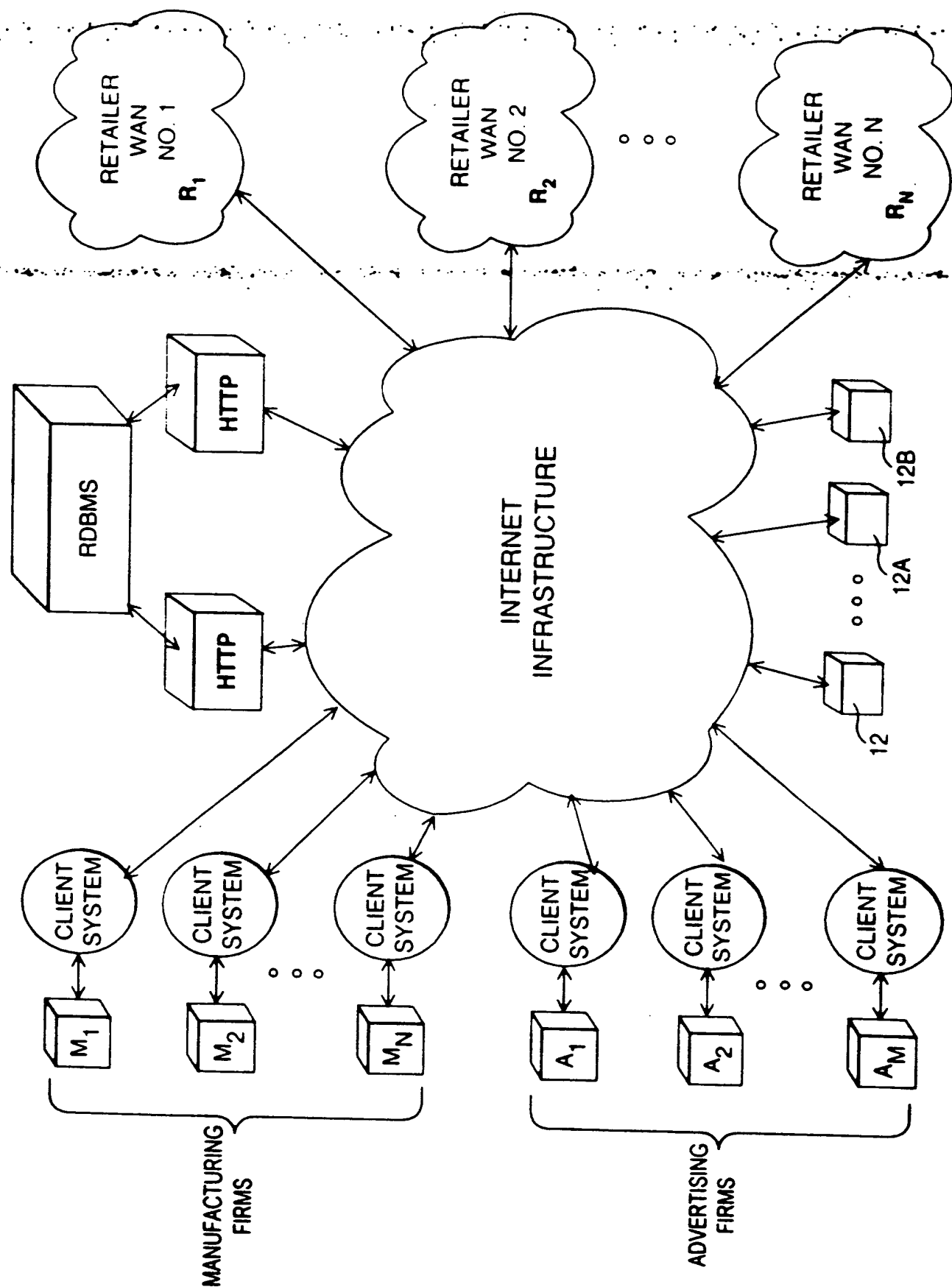


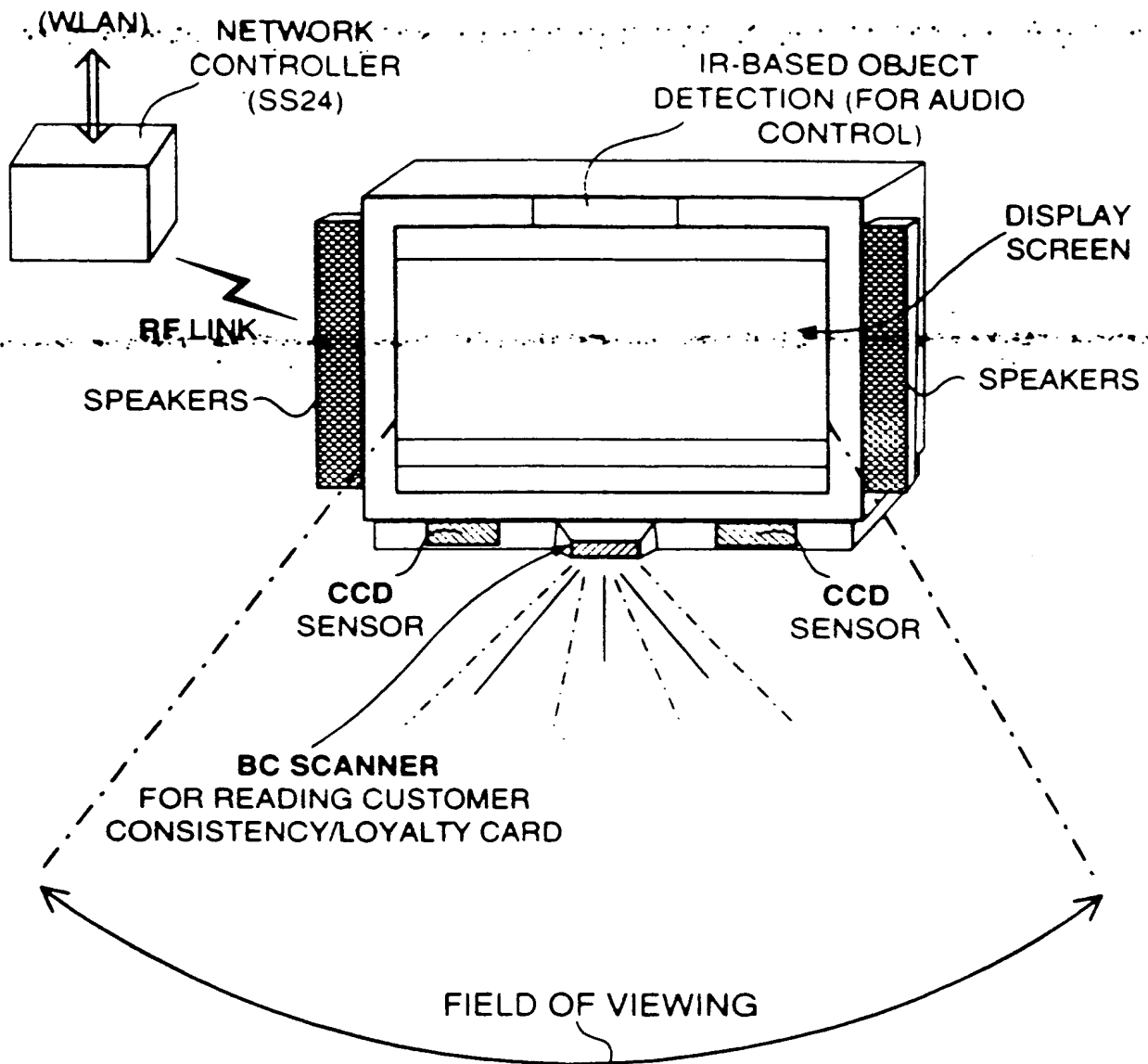
FIG. 3A17

UPN	RETAILER	URL NO. 1	...	URL NO. N	TRADEMARKS	PRODUCT DESCRIPTION	E-MAIL
			...				
...

FIG. 3A19A

[illegible]

FIG. 3A19B

**FEATURES:**

- EYE TRAINING AND ACCOUNTING SUBSYSTEM
- TRACKS DETECTED EYEBALL

FIG. 3A19C

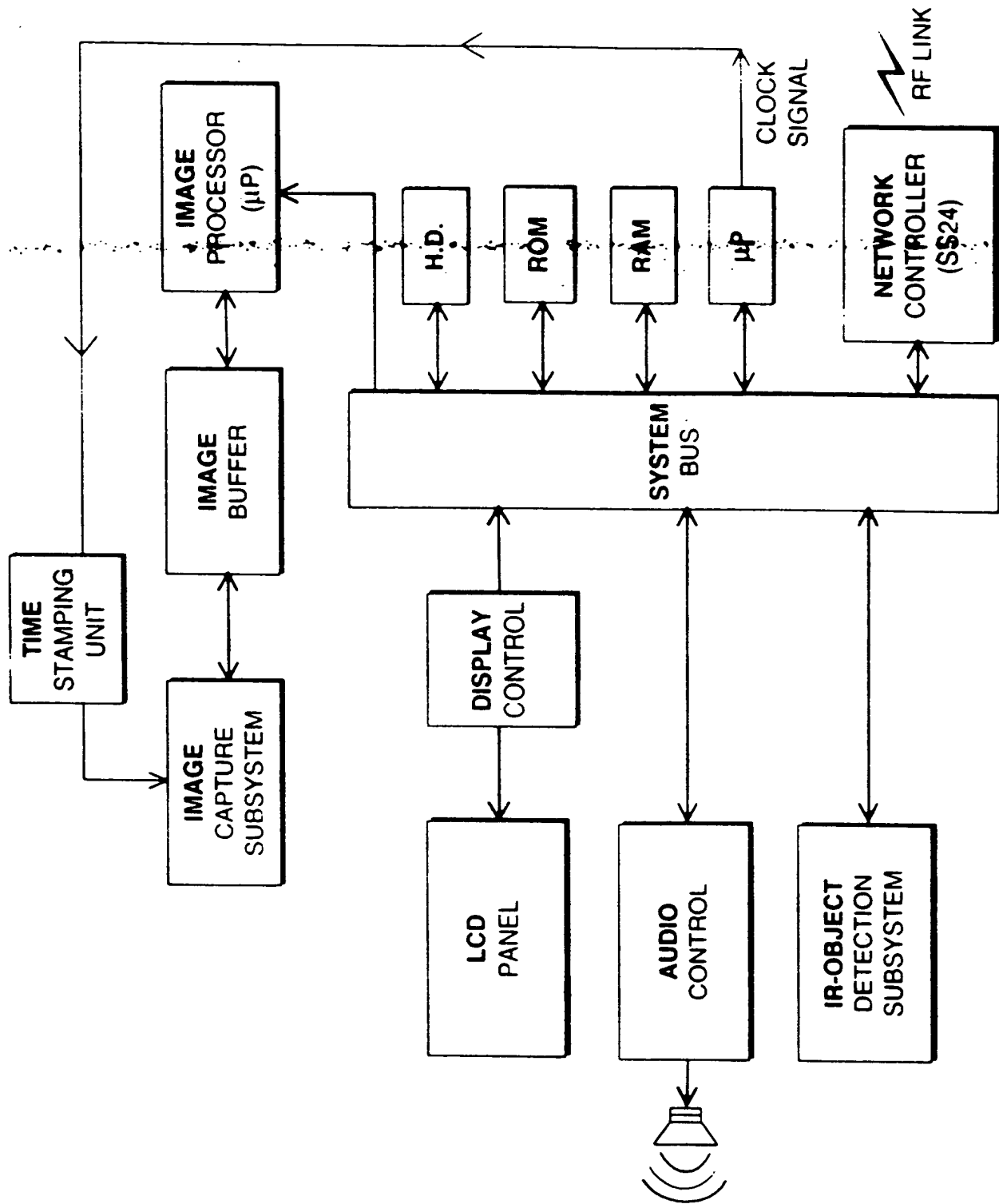


FIG. 3A19D

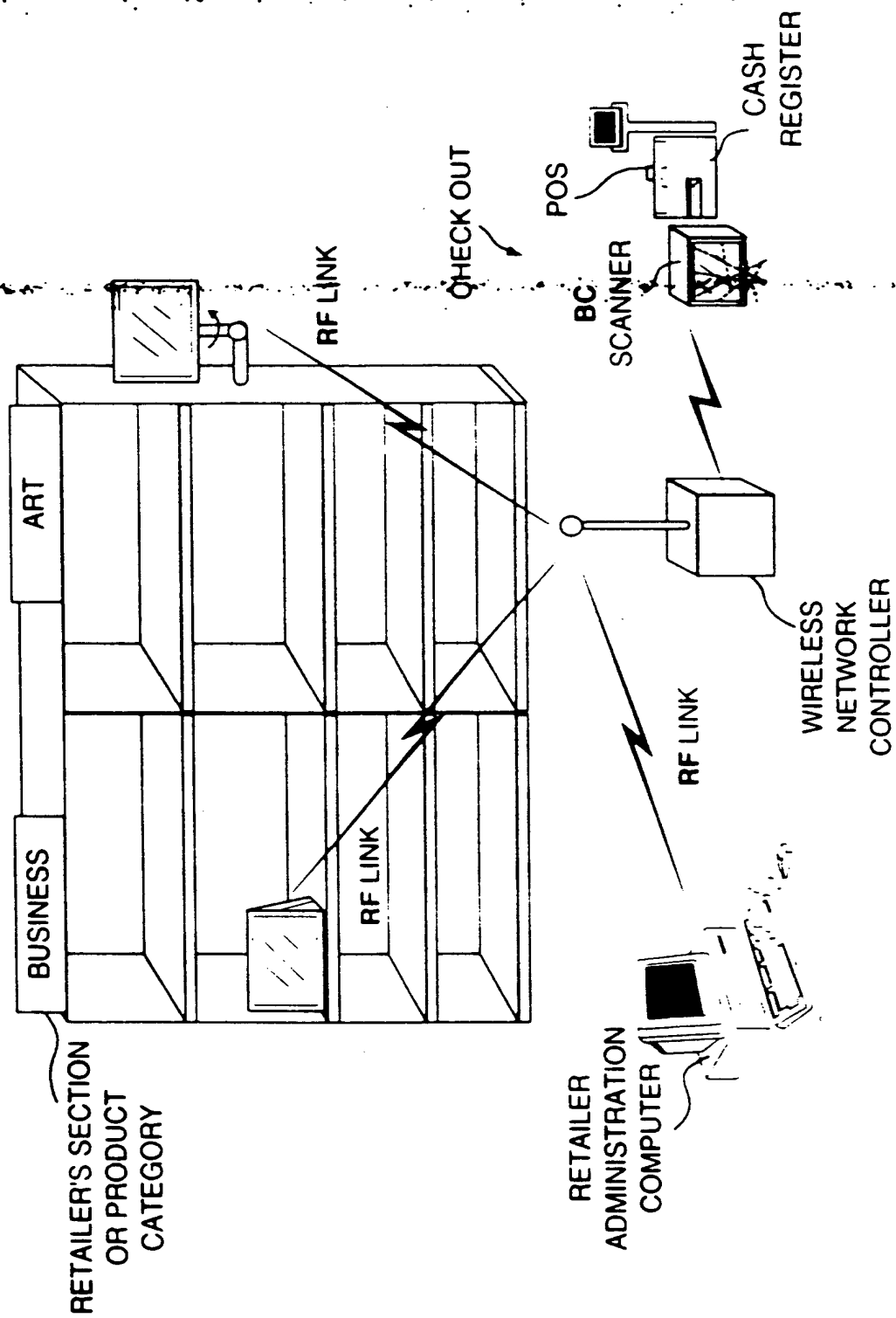


FIG. 3A20

DISPLAY FRAME FOR DISPLAYING THE RETAILER'S IDENTITY/IMAGE SELECTED BY RETAILER (URL-DF1)	
DISPLAY FRAME FOR DISPLAYING A PRODUCT ADVERTISEMENT CREATED BY MANUFACTURER AND/OR AGENT THEREOF (URL-DF2), AND SELECTED BY RETAILER	
DISPLAY FRAME FOR DISPLAYING A PROMOTIONAL MESSAGE ABOUT THE ADVERTISED PRODUCT, SELECTED BY RETAILER (URL-DF3)	
DISPLAY FRAME FOR DISPLAYING THE LOCATION OF THE ADVERTISED PRODUCT IN THE RETAIL STORE OR IN THE RETAILER'S ELECTRONIC STORE, SELECTED BY RETAILER (URL-DF4)	

FIG. 3A21A



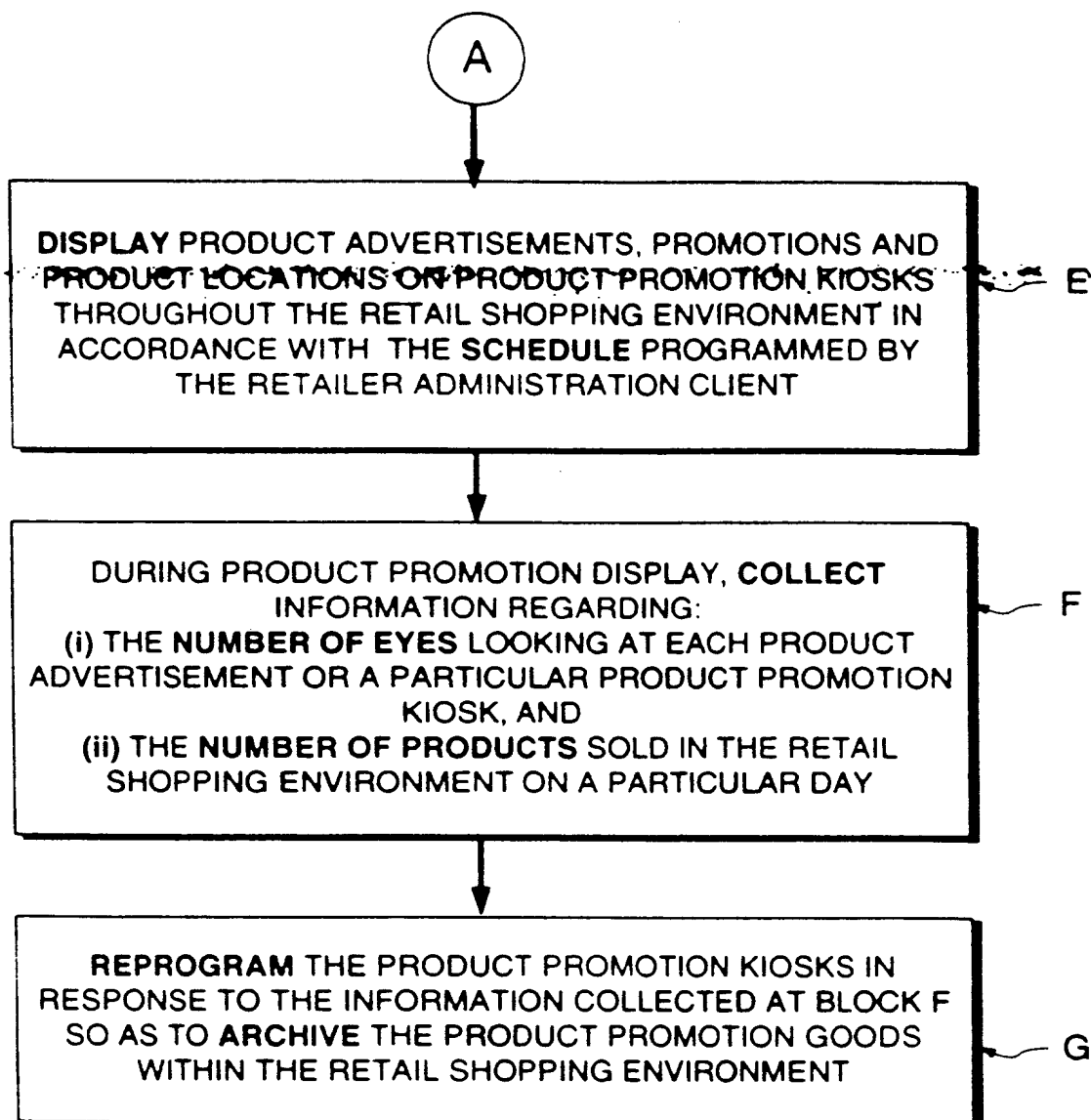


FIG. 3A22B

FIG. 3A23

[illegible]

UPN (PRODUCT)	TIME/DATE	EYE COUNTS	URL/AD	# OF UPN SOLD ON SAME DATE	# OF UPN SOLD ON 2ND DATE	# OF UPN SOLD ON 3RD DATE	# OF UPN SOLD ON 4TH DATE

REPORT

FIG. 3A24

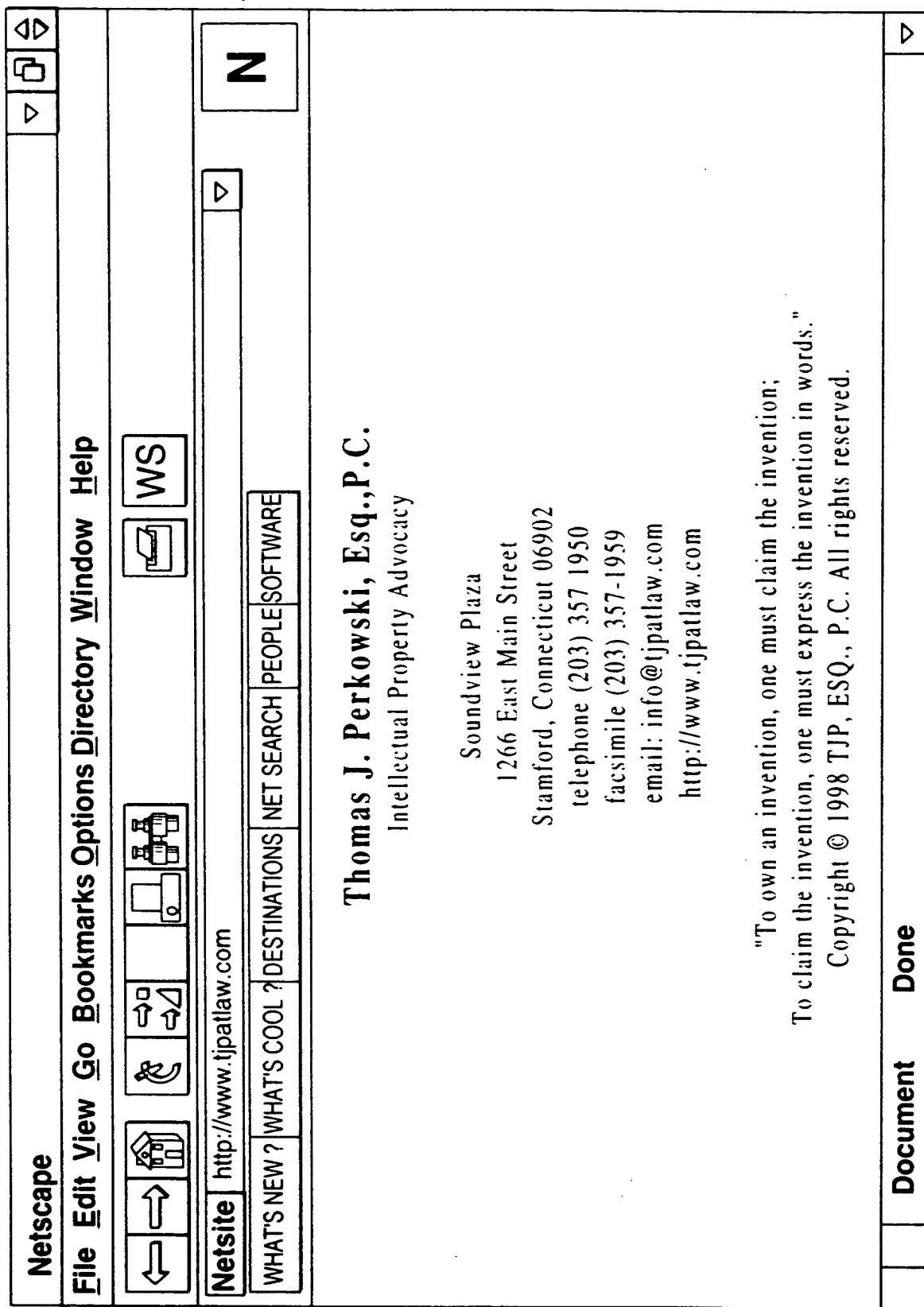


FIG. 3B

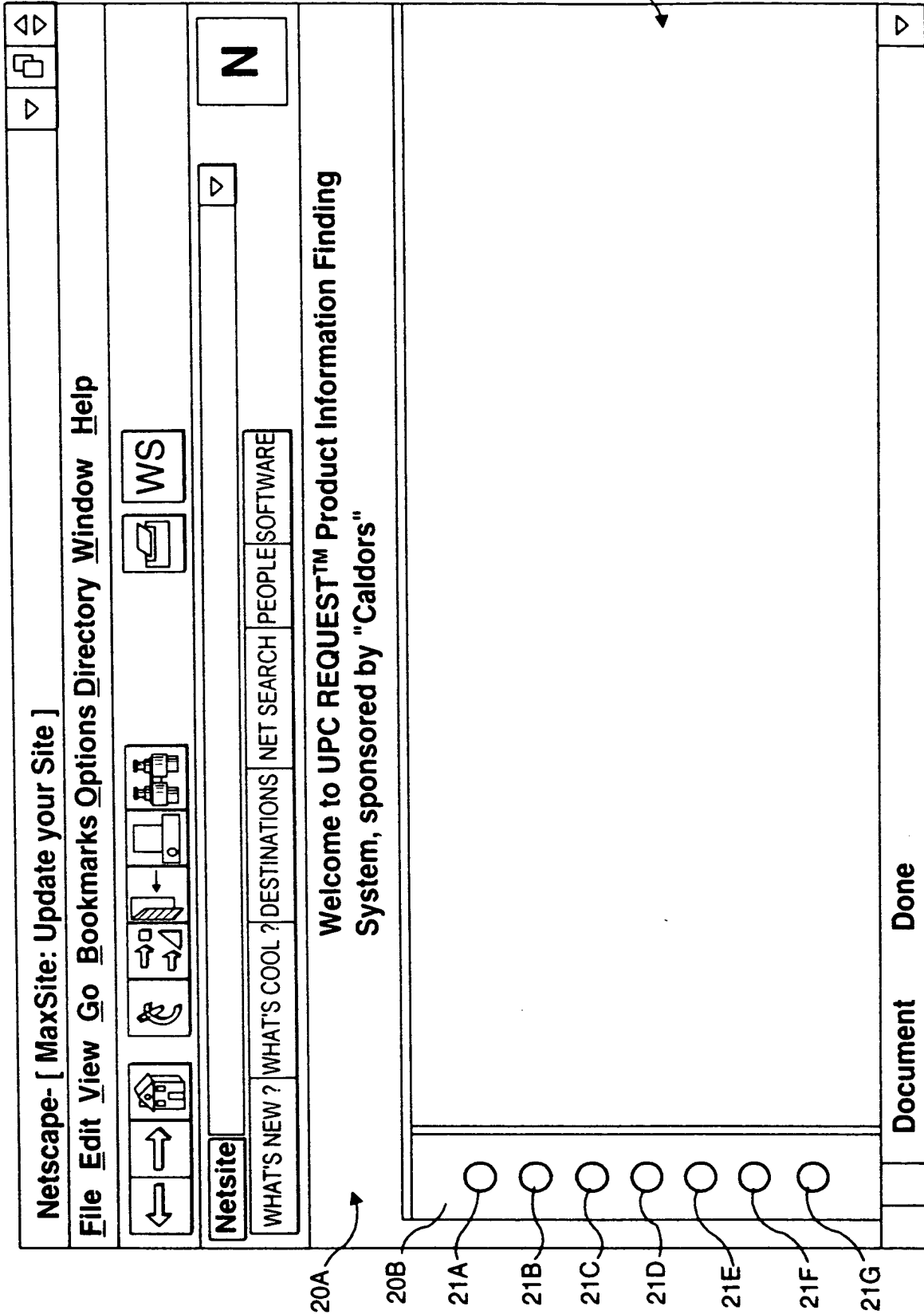


FIG. 3C

IP / SN	REGISTRANT'S NAME AND ADDRESS	PRODUCT DESCRIPTION	UNIFORM RESOURCE LOCATOR (URL)	TRADE/ SERVICE MARKS	e-mail ADDRESS	CPIR APPLETS	STATUS
7/18908/17674/0	APPLE COMPUTER, INC. CUPERTINO, CA.	POWER MAC 7600/120 COMPUTER	http://www.power.com/pc	POWER MAC			
0/373/100/6	PROCTOR & GAMBLE	TOOTH PASTE	http://www.tooth.com/pc	CREST			
3/12547/68404/0	WARNER WELCOME	ACID REDUCER	http://www.zantac.com/pc	ZANTAC ZANTAC 75			
0/00005/17643/4	KODAK, INC.	FILM PROCESSING	http://www.kodak.com/pc	KODAK			
• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •
0/27242/51057/9	SONY, INC.	PERSONAL COMPUTER	http://www.sony.com/pc	SONY			

FIG. 4A1

CONSUMER PRODUCT INFO. REQUEST,
CPIR-ENABLING APPLLET LIBRARY

URL	PRODUCT SPECIFICATION INFORMATION FIELD	PRODUCT UPDATE INFORMATION FIELD	PRODUCT WARRANTY / SERVING INFORMATION FIELD	PRODUCT INCENTIVE INFORMATION FIELD	PRODUCT REVIEW INFORMATION FIELD	MISCELLA- NEOUS INFORMATION FIELD	PRODUCT ADVERTI- SEMENT INFORMATION FIELD
...

FIG. 4A2

IP / S N	REGISTRANT'S NAME AND ADDRESS	PRODUCT DESCRIPTION	TRADE/SERVICE MARKS	E-MAIL ADDRESS	STATUS
7/05089/37460/7	NETSCAPE COMMUNICATIONS CORP.	INTERNET NAVIGATOR	NETSCAPE, NAVIGATOR		
0/30000/01020/4	QUAKER, INC.	OATMEAL	QUAKER		
0/496/390/1	COLA COLA, INC.	COCA SODA	COCA - COLA, COKE		
0/7599/24245/2	WARNER BROS.	PAT METHANY AUDIO CD	GEFFEN		
:	:	:	:	:	:
:	:	:	:	:	:

FIG. 4B

Manufacturer	
Company Name	
Street Address	
City	
State	
Postal Code	
Country	
Manufacturer ID Number	
Contact Person	
Phone Number	
E-Mail	
Domain Name	
Website Creation Date	
Website Existence	
Manufacturer Website URL	

Consumer Product	
UPC Number	A
Company Name	A
Manufacturer ID Number	A
Manufacturer Product Number	A
Manufacturer Website URL	A
Product Description	T

Information Resources on the WW	
UPC Number	A
Manufacturer ID Number	A
Manufacturer Product Number	A
Company Name	A
URL for Product Description	A

Manufacturer	
Company Name	A
Street Address	A
City	A
State	A
Postal Code	A
Country	A
Manufacturer ID Number	A
Contact Person	A
Phone Number	A
E-Mail	A
Domain Name	A
Website Creation Date	D
Website Existence	A
Manufacturer Website URL	A

FIG. 4C1

FIG. 4C

Consumer Product
UPC Number
Company Name
Manufacturer ID Number
Manufacturer Product Number
Manufacturer Website URL
Product Description
Primary Trademark
Secondary Trademark
Package Type
UPC Symbol Type
Website Marking on Package
800 Consumer Phone Number

FIG. 4C2

Info. Resources on WWW
UPC Number
Manufacturer ID Number
Manufacturer Product Number
Company Name
URL For Product Description
URL For Product Manual
URL For Warranty Service
URL For WWW Advertisement
URL For WWW Advertisement
URL For WWW Advertisement
URL For Product Wholesaler
URL For Product Wholesaler
URL For Product Wholesaler
URL For Product Retailer No.1
URL For Product Retailer No.2
URL For Product Retailer No.3
URL For Direct Product Purchase
URL For Complementary Product
URL For Complementary Product
URL For Complementary Product
URL For Company Annual Report
URL For Company Stock Purchase

FIG. 4C3

RETAILER
Company Name
Street Address
City
State
Postal Code
Country
Manufacturer ID Number
Contact Person
Phone Number
E-Mail
Domain Name
Website Creation Date
Website Existence
Manufacturer Website URL
Manufacturer No. 1
Manufacturer No. 2
Manufacturer No. 3
Manufacturer No. 4
Manufacturer No. 5
Manufacturer No. 6
Manufacturer No. 7
Manufacturer No. 8
Manufacturer No. 9
Manufacturer No. 10
⋮
Manufacturer No. N

FIG. 4D

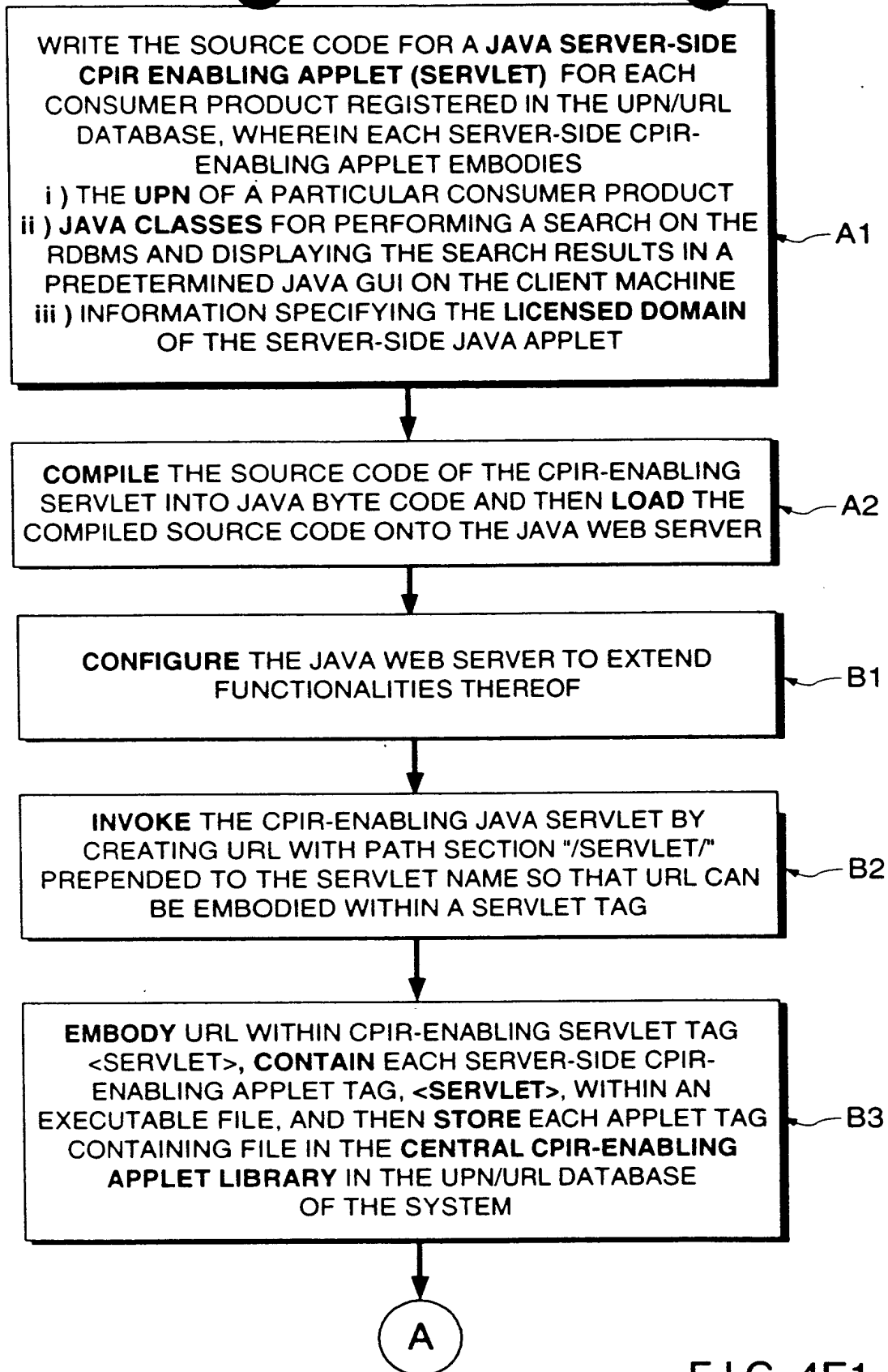


FIG. 4E1

A

DISTRIBUTE THE APPLET TAG CONTAINING FILES TO RETAILERS, WHOLESALERS, ADVERTISERS AND THE LIKE BY FTP, XML/EDI, OR OTHER ELECTRONIC DATA INTERCHANGE PROTOCOLS.

C

OPEN THE DOWNLOADED EXECUTABLE FILES, EXTRACT THE SERVER-SIDE APPLET TAGS CONTAINED THEREWITHIN, AND EMBED THE CPIR-ENABLING APPLET TAGS INTO ACCEPTABLE HTML-ENCODED DOCUMENTS ASSOCIATED WITH THE EC-ENABLED WWW SITES, STOREFRONTS, CATALOGS, WEB-BASED ADVERTISEMENTS, ONLINE AUCTIONS, ETC.

D

SERVE HTML-ENCODED DOCUMENTS HAVING ONE OR MORE OF EMBEDDED SERVER-SIDE CPIR-ENABLING APPLET TAGS, FROM INTERNET SERVERS TO JAVA-ENABLED CLIENT SUBSYSTEMS

E

DISPLAY ON JAVA ENABLED CLIENT SUBSYSTEMS THE HTML-ENCODED DOCUMENTS WITH EMBEDDED SERVER-SIDE CPIR-ENABLING APPLET TAGS

F

EXECUTE THE ASSOCIATED UPN-ENCODED SERVER-SIDE APPLET AND CORRESPONDING RDBMS SEARCH BY CLICKING ON THE CPIR-ENABLING APPLET WHEREBY THE RDBMS SEARCH RESULTS ARE AUTOMATICALLY DISPLAYED ON A JAVA GUI ON THE SEARCH-REQUESTING CLIENT SUBSYSTEM

G

FIG. 4E2

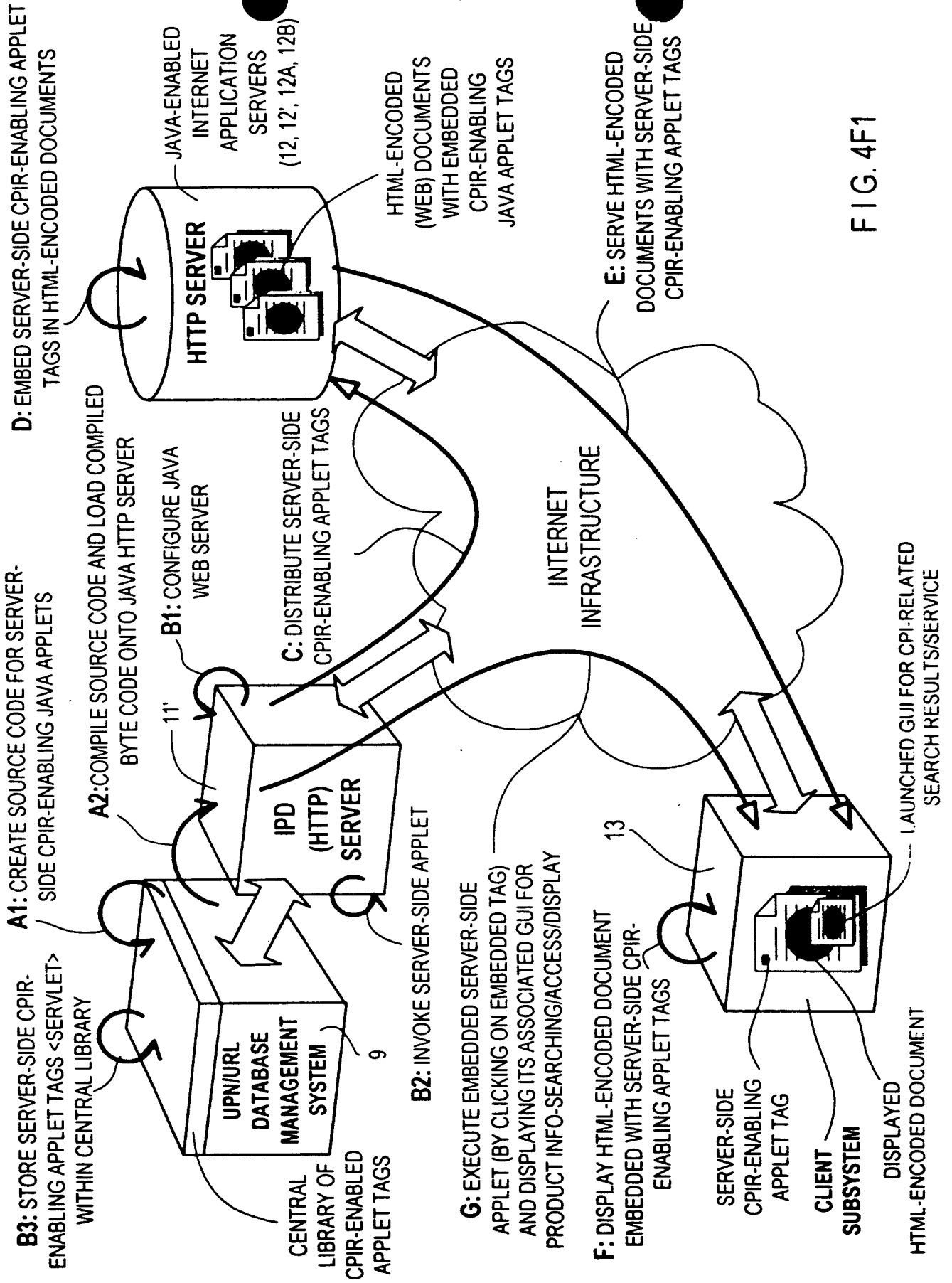
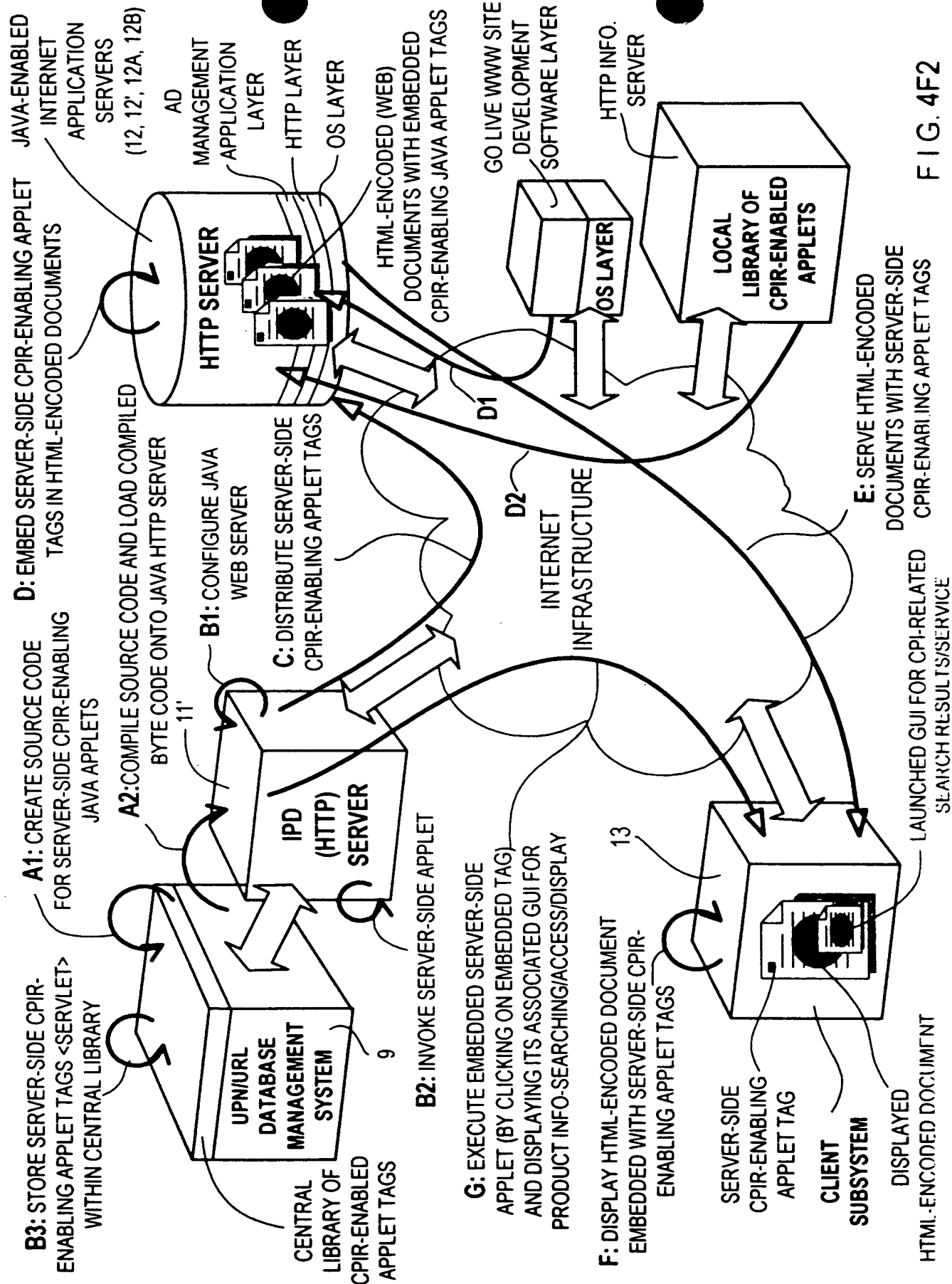


FIG. 4F1





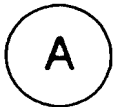
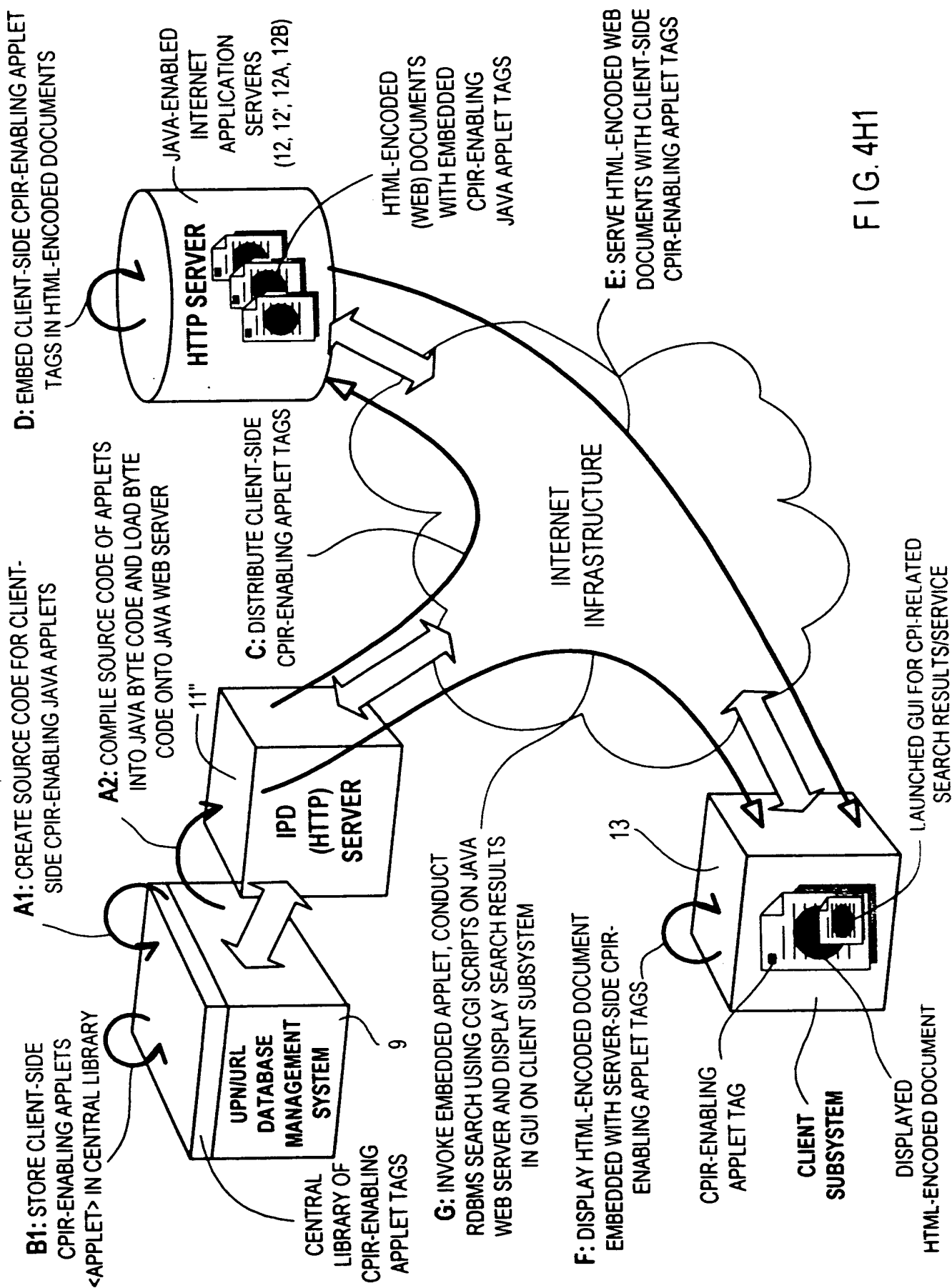


FIG. 4G2



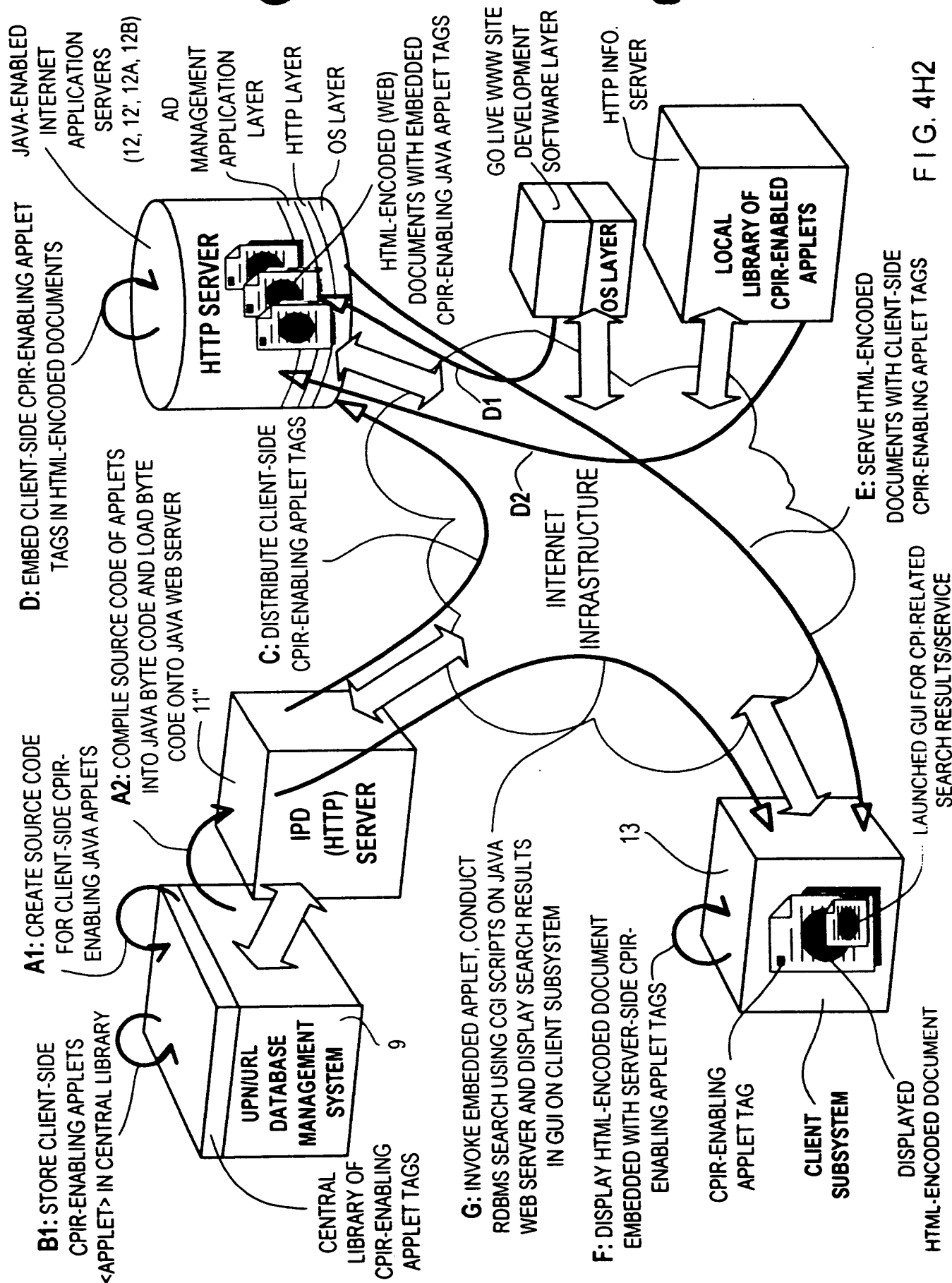


FIG. 4H2

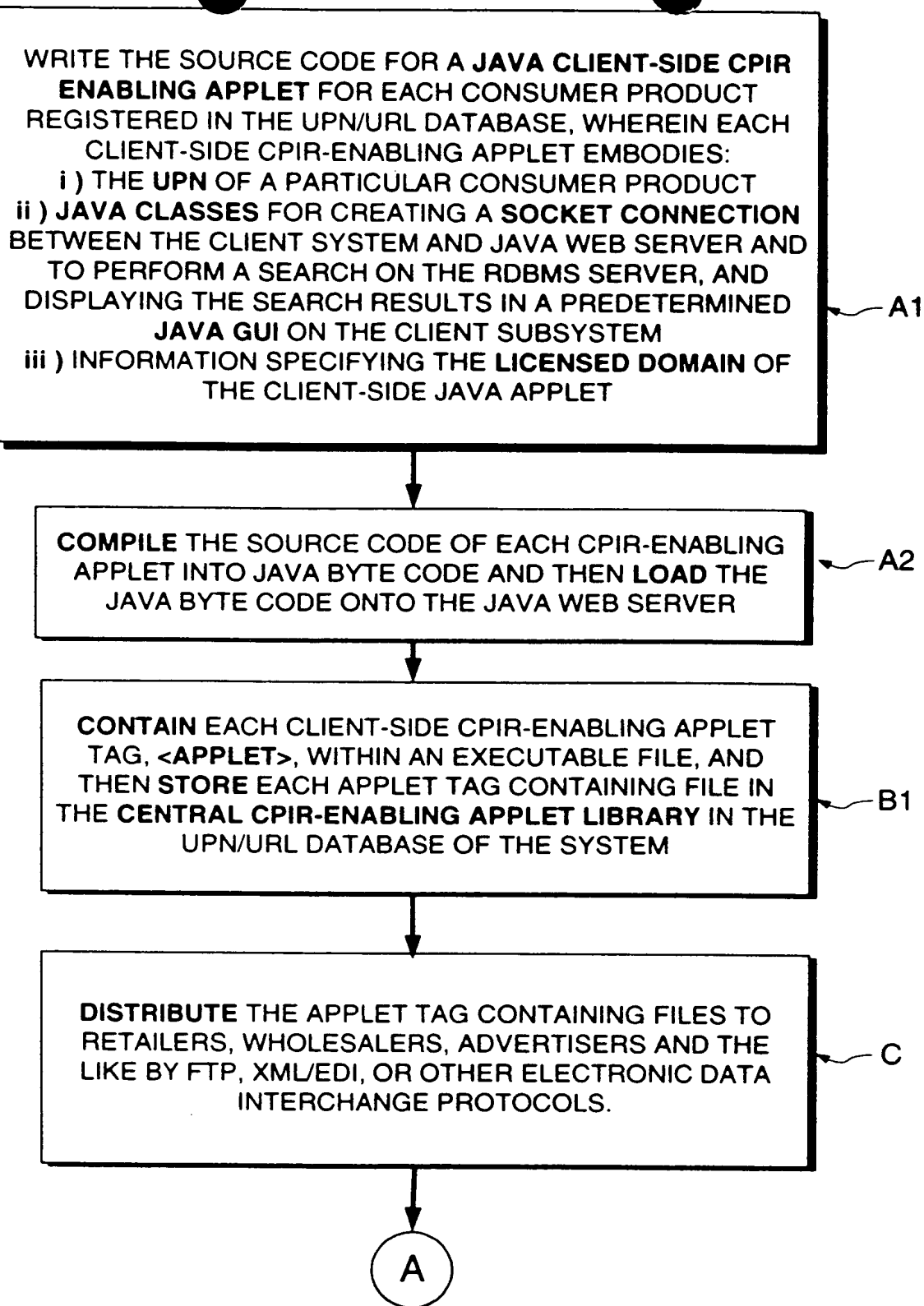
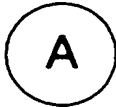


FIG. 411



F I G. 412

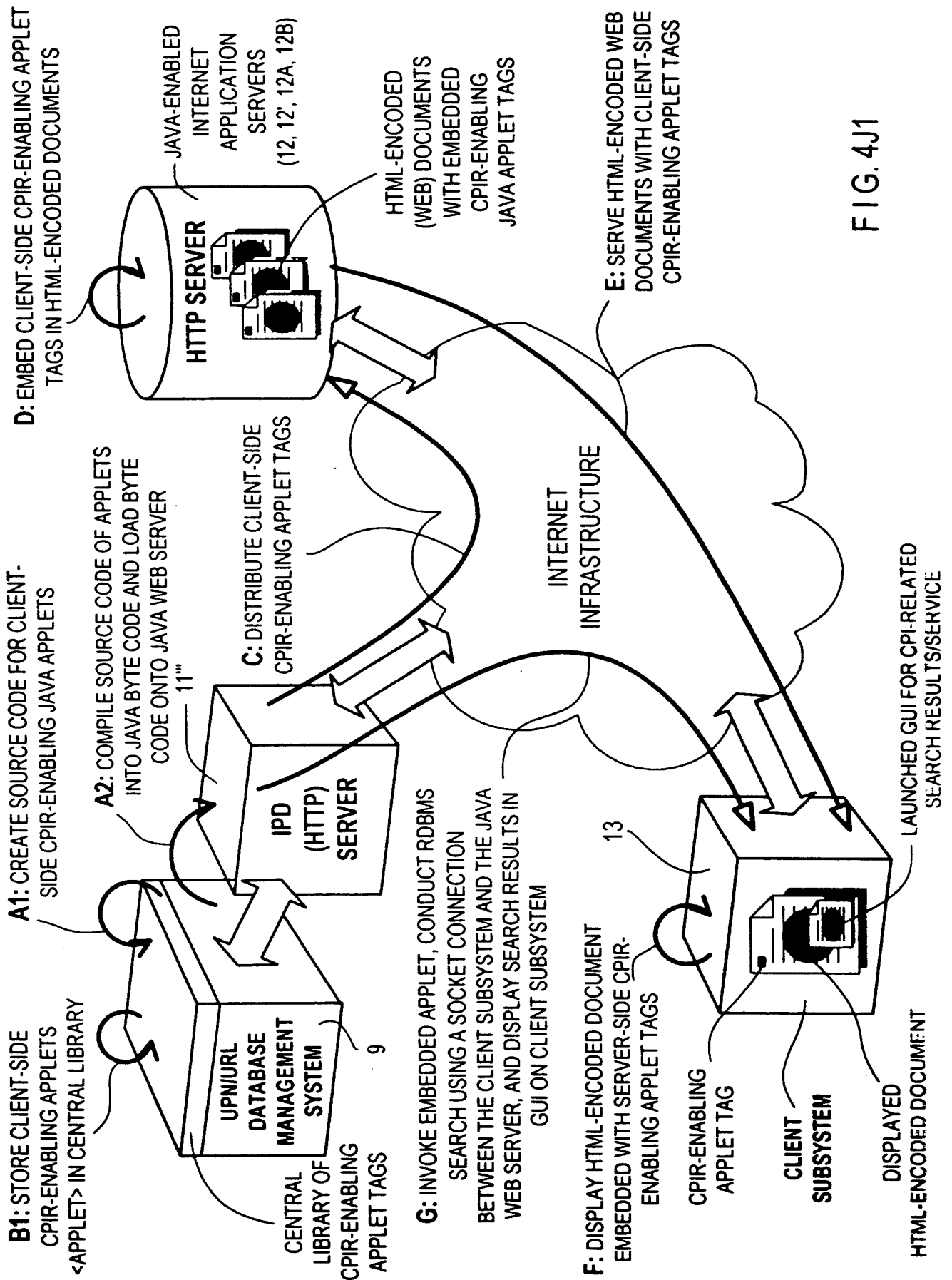


FIG. 4J1

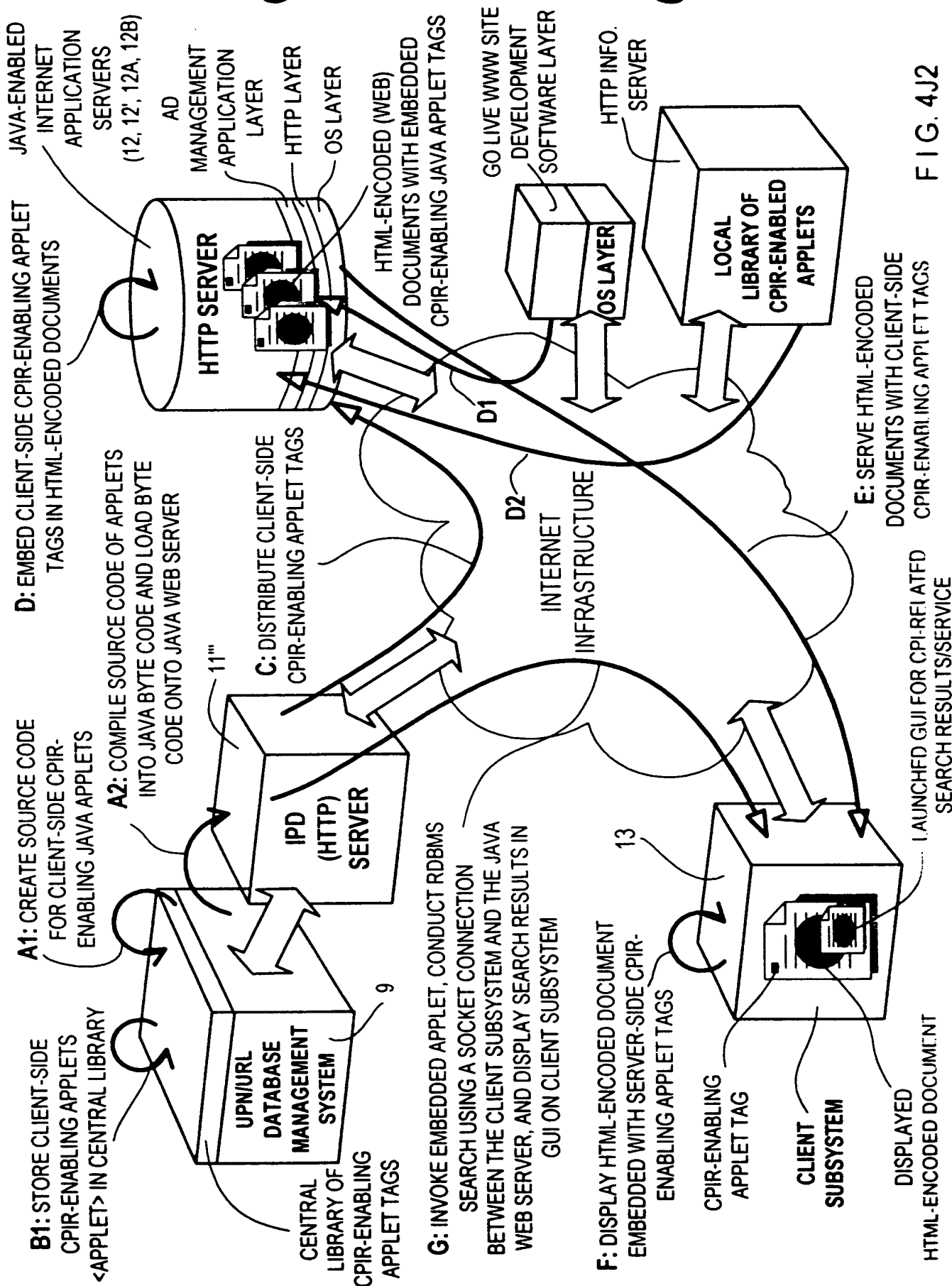


FIG. 4J2

WRITE THE SOURCE CODE FOR A **JAVA CLIENT-SIDE CPIR ENABLING APLET** FOR EACH CONSUMER PRODUCT REGISTERED IN THE UPN/URL DATABASE, WHEREIN EACH CLIENT-SIDE CPIR-ENABLING APLET EMBODIES:

- i) THE UPN OF A PARTICULAR CONSUMER PRODUCT
- ii) **JAVA CLASSES** FOR CALLING AN RMI ON THE JAVA WEB SERVER TO PERFORM A SEARCH ON THE RDBMS SERVER AND DISPLAY THE SEARCH RESULTS IN A PREDETERMINED **JAVA GUI** ON THE CLIENT SUBSYSTEM
- iii) INFORMATION SPECIFYING THE **LICENSED DOMAIN** OF THE CLIENT-SIDE JAVA APLET

A1

COMPILE THE SOURCE CODE OF EACH CPIR-ENABLING APLET INTO JAVA BYTE CODE AND THEN **LOAD** THE JAVA BYTE CODE ONTO THE JAVA WEB SERVER

A2

CONTAIN EACH CLIENT-SIDE CPIR-ENABLING APLET TAG, <APLET>, WITHIN AN EXECUTABLE FILE, AND THEN **STORE** EACH APLET TAG CONTAINING FILE IN THE **CENTRAL CPIR-ENABLING APLET LIBRARY** IN THE UPN/URL DATABASE OF THE SYSTEM

B1

DISTRIBUTE THE APLET TAG CONTAINING FILES TO RETAILERS, WHOLESALERS, ADVERTISERS AND THE LIKE BY FTP, XML/EDI, OR OTHER ELECTRONIC DATA INTERCHANGE PROTOCOLS.

C

A

FIG. 4K1



OPEN THE DOWNLOADED EXECUTABLE FILES, **EXTRACT** THE CLIENT-SIDE APPLLET TAGS CONTAINED THEREWITHIN, AND **EMBED** THE CPIR-ENABLING APPLLET TAGS INTO ACCEPTABLE HTML-ENCODED DOCUMENTS ASSOCIATED WITH THE EC-ENABLED WWW SITES, STOREFRONTS, CATALOGS, WEB-BASED ADVERTISEMENTS, ONLINE AUCTIONS, ETC.

D

SERVE HTML-ENCODED DOCUMENTS HAVING ONE OR MORE OF EMBEDDED CLIENT-SIDE CPIR-ENABLING APPLLET TAGS, FROM INTERNET SERVERS TO JAVA-ENABLED CLIENT SUBSYSTEMS

E

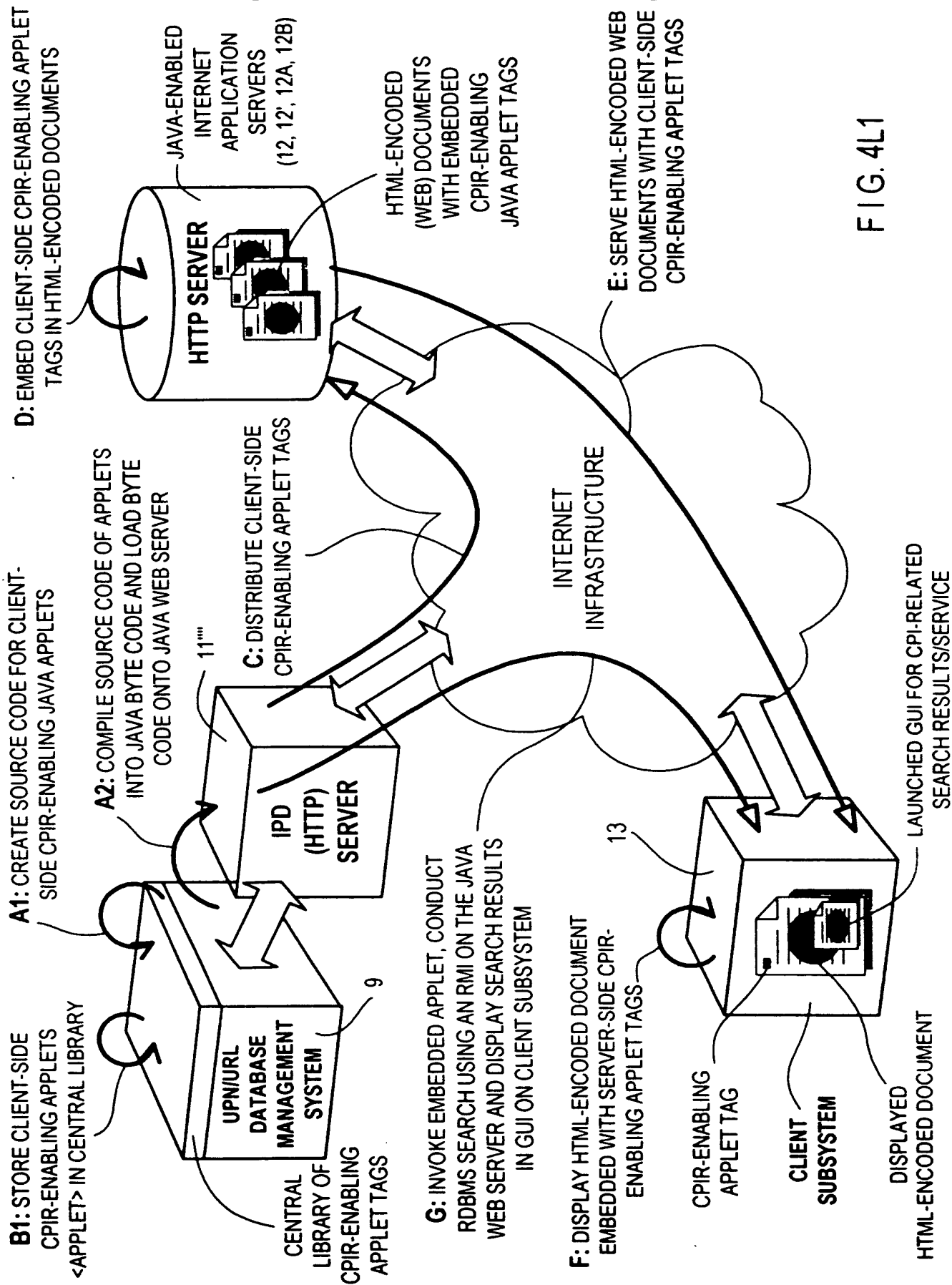
DISPLAY ON JAVA ENABLED CLIENT SUBSYSTEMS THE HTML-ENCODED DOCUMENTS WITH EMBEDDED CLIENT-SIDE CPIR-ENABLING APPLLET TAGS

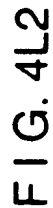
F

INVOKE THE ASSOCIATED UPN-ENCODED CLIENT-SIDE APPLLET AND CORRESPONDING RDBMS SEARCH BY CLICKING ON THE CPIR-ENABLING APPLLET, WHEREBY THE RDBMS SEARCH RESULTS ARE AUTOMATICALLY DISPLAYED ON A **JAVA GUI** ON THE SEARCH-REQUESTING CLIENT SUBSYSTEM

G

FIG. 4K2





UPC REQUEST™ CONSUMER PRODUCT INFORMATION SERVER

CENTRAL LIBRARY OF CPIR-ENABLING APPLETS

Cyber Service™	UPC No.	Trademark	Manufacturer No	Download
Trademark™	0000000000	Power Mac Computer	0000000000	Click here to Download
Home-Page™	1111111111	Sony	1111111111111111	
Product Description™	2222222222	J Crew	22222222222222	
Info-Link™				
Send-It-Home™				

FIG. 4M1

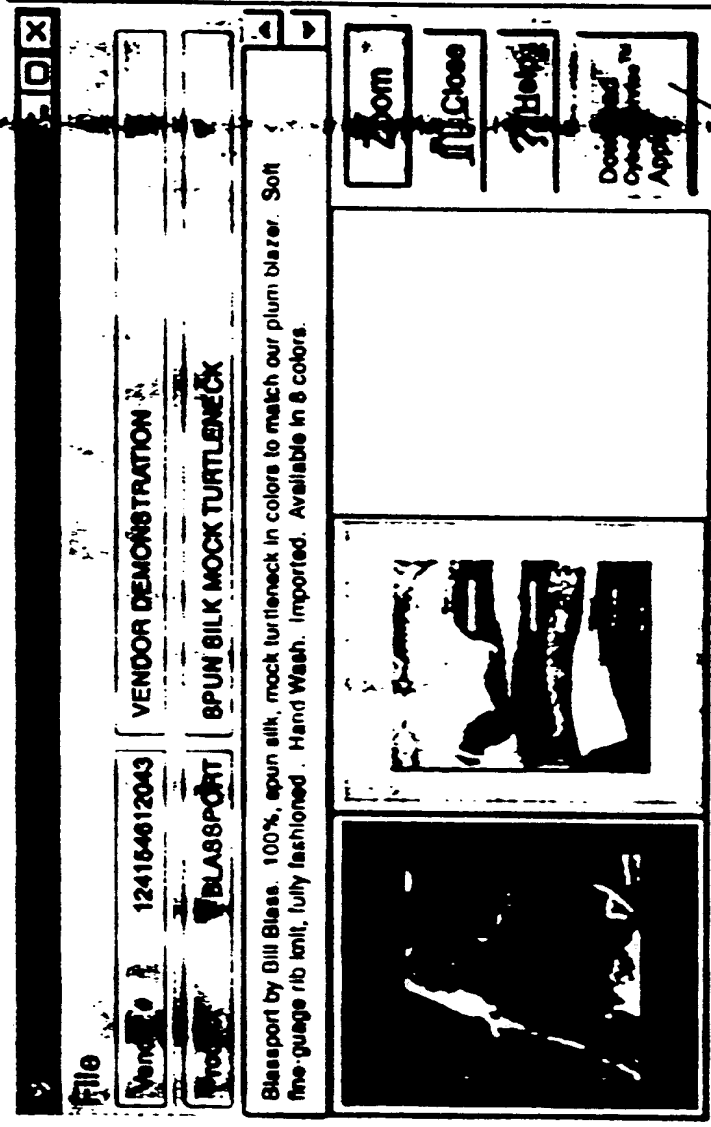


FIG. 4M2

100

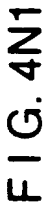


FIG. 4N1

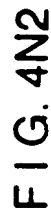


FIG. 4N2

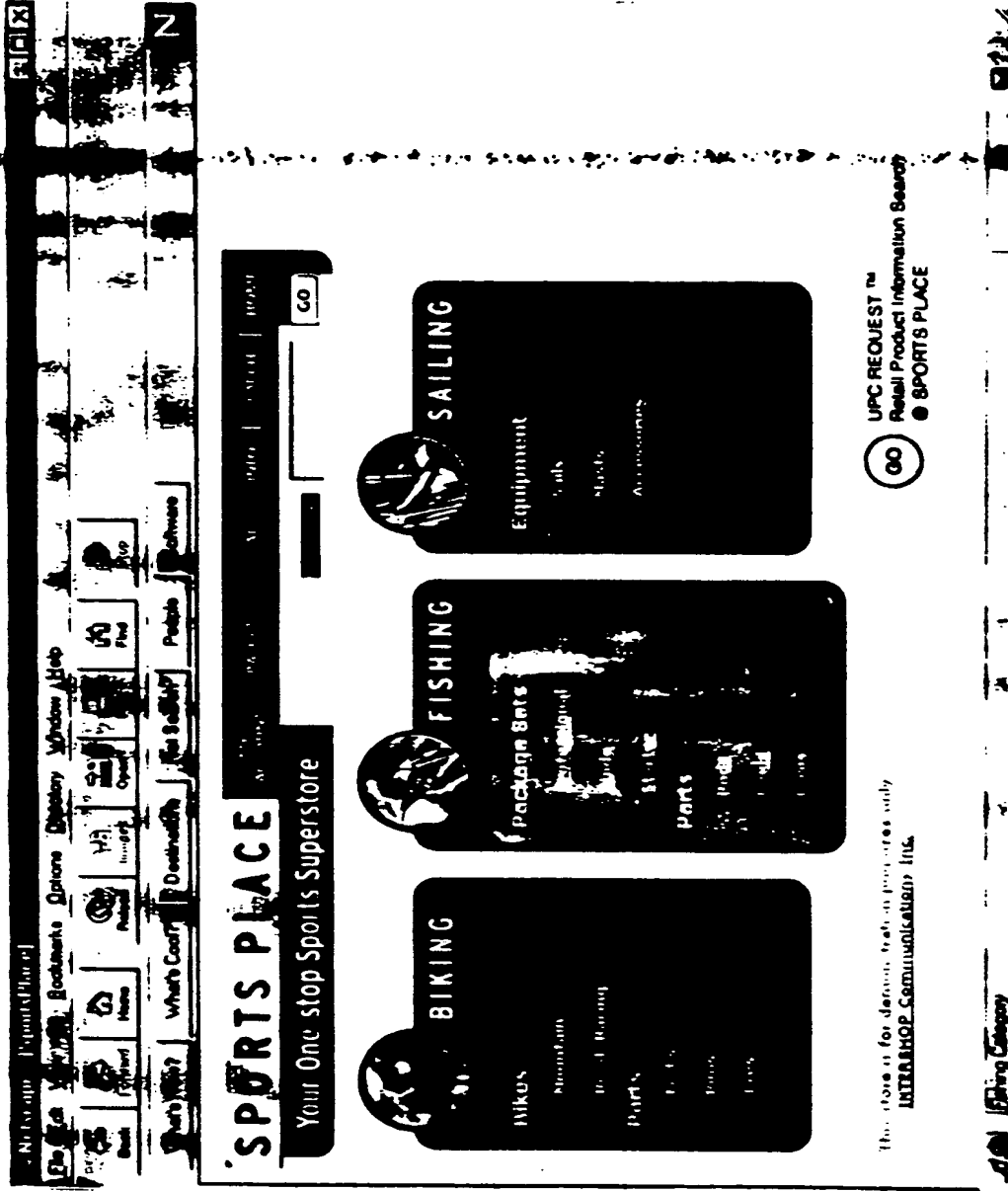


FIG. 401

79/105

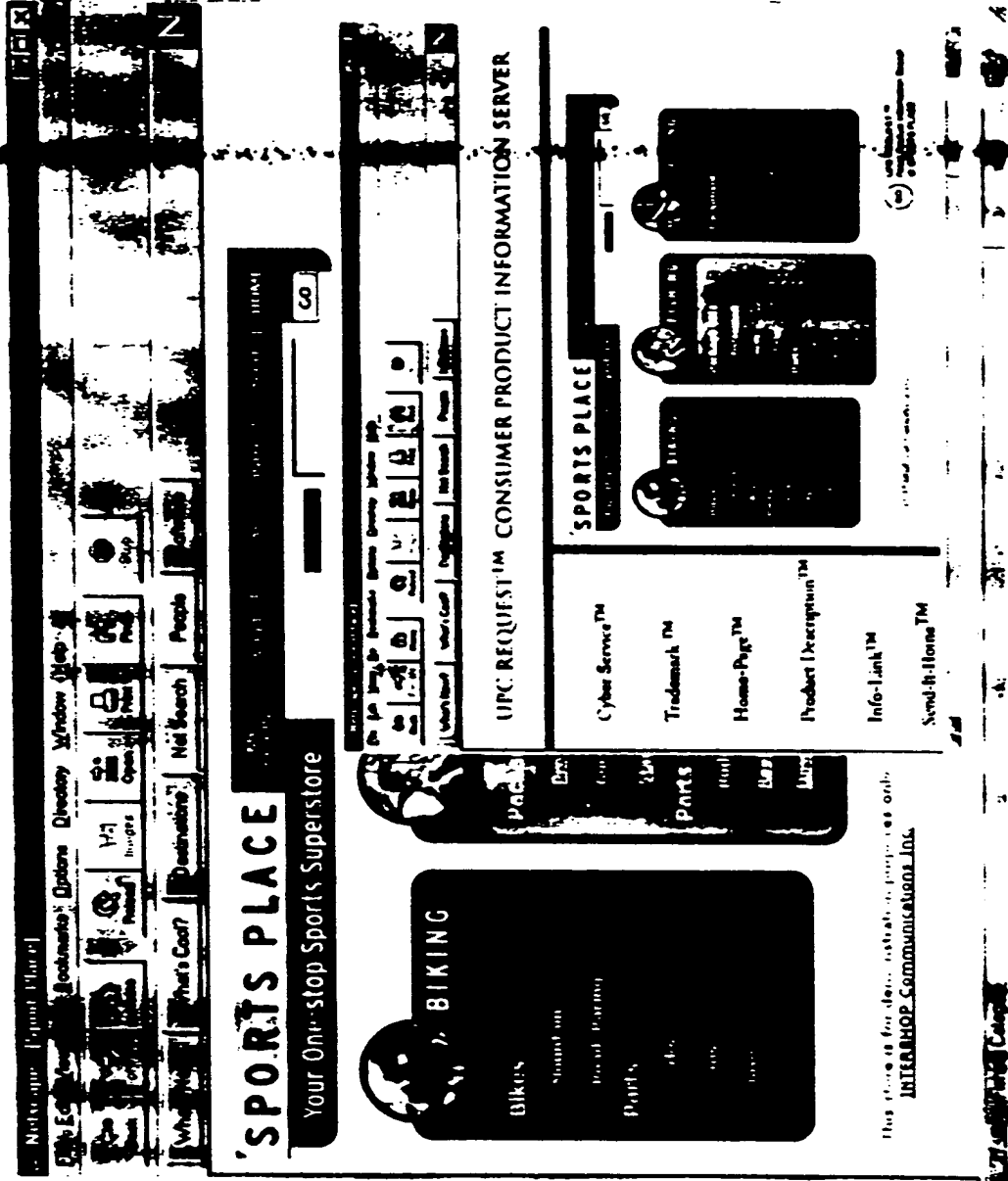


FIG. 402



FIG. 4P1

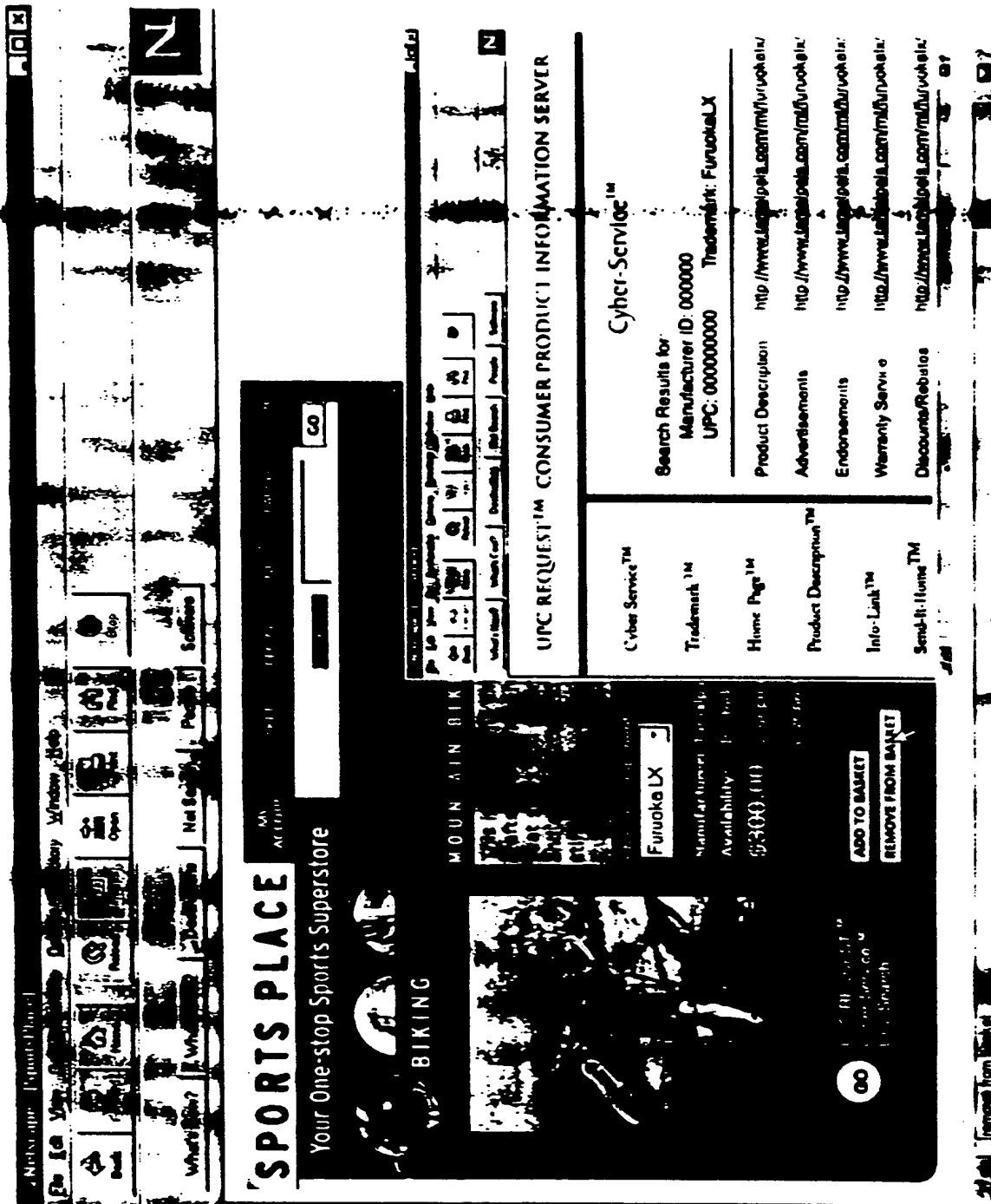


FIG. 4P2

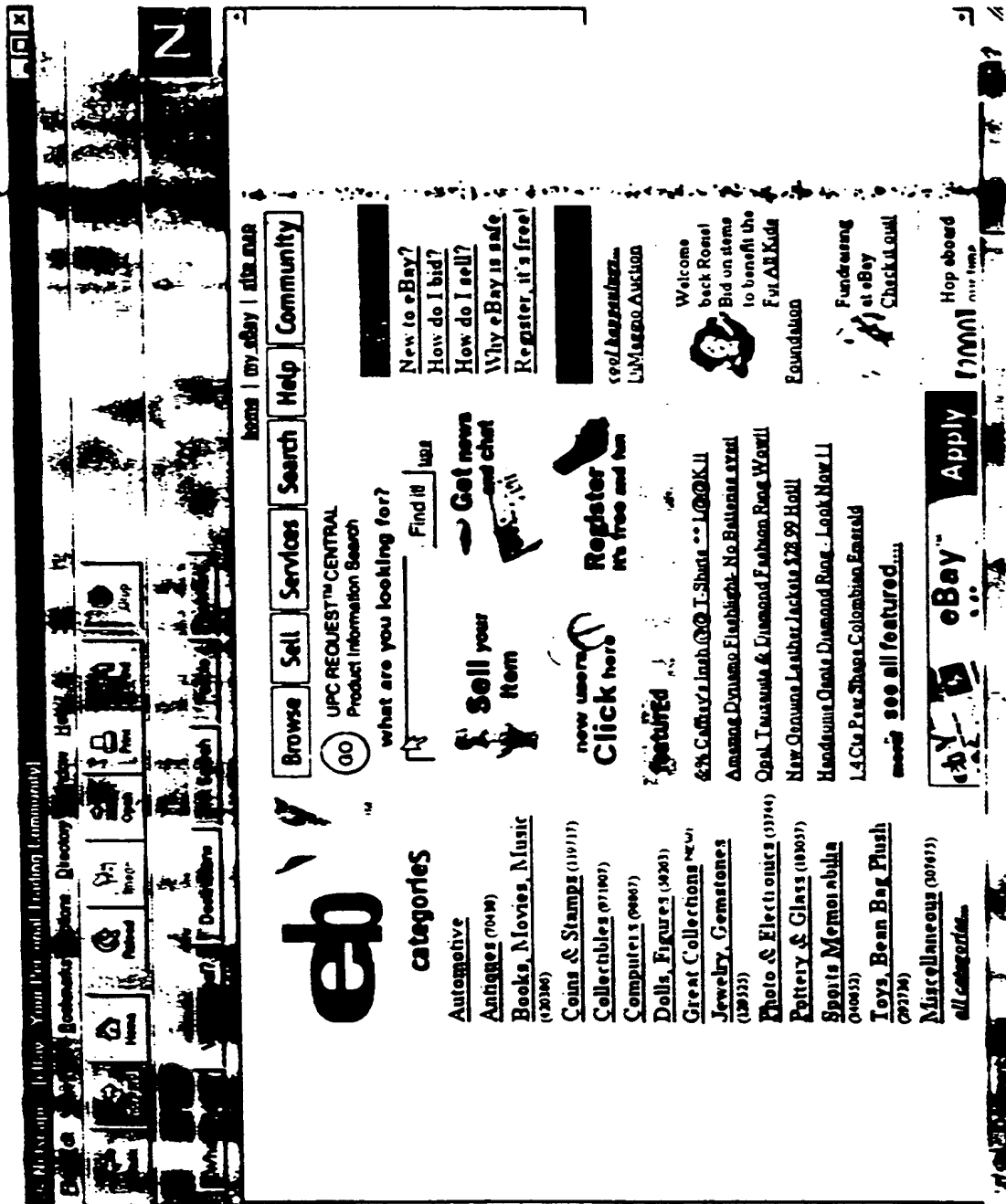


FIG. 4Q1

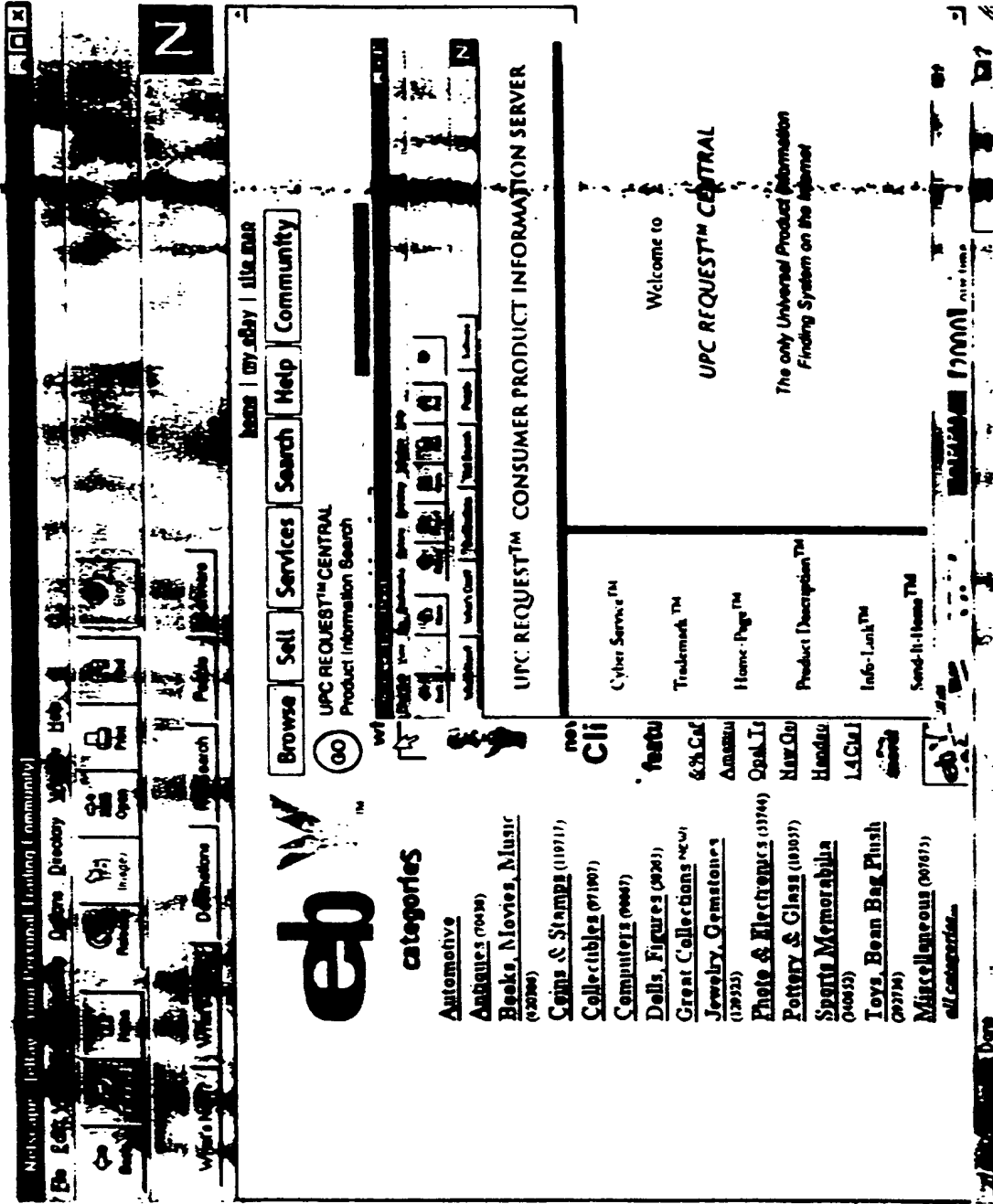


FIG. 4Q2

Navigation: Home | My eBay | Site Map

[Browse](#)
[Sell](#)
[Services](#)
[Search](#)
[Help](#)
[Community](#)

[Item view](#)
[UPC REQUEST™](#)
[Cyber-Services™](#)
[URL Search](#)

[What's New?](#)
[Marketplace](#)
[Deals](#)
[People](#)
[Selling](#)

eBay

Incredible Sony Service MVC-FD812024x768

Item #1920200

Computer/Digital Camera

Currently	\$420.50 (usd) max bid	First bid	\$2.00
Quantity	1	# of bids	12 (bid history) (with email)
Time left	4 days, 7 hours +	Location	Milpitas, CA
Started	10/31/99, 21:29:10 PST	Ends	11/07/99, 21:29:10 PST
Ends			

Seller

ins47 (10) (f)

(view comments on seller's Feedback Profile) (view seller's other auctions) (ask seller a question)

High bid

alt fees

Payment

Shipping

More information: Items, checks, Personal Checks. See item description for payment methods accepted.
 Seller might ship to home country only. See item description for details. See item description for shipping charges.

Seller assumes all responsibility for listing this item. You should contact the seller to resolve any questions before bidding. Currency is US dollar (\$) unless otherwise noted.

Description

FIG. 4R1

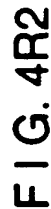


FIG. 4R2

FIG. 4S1



FIG. 4S2

FIG. 4S3

89/105

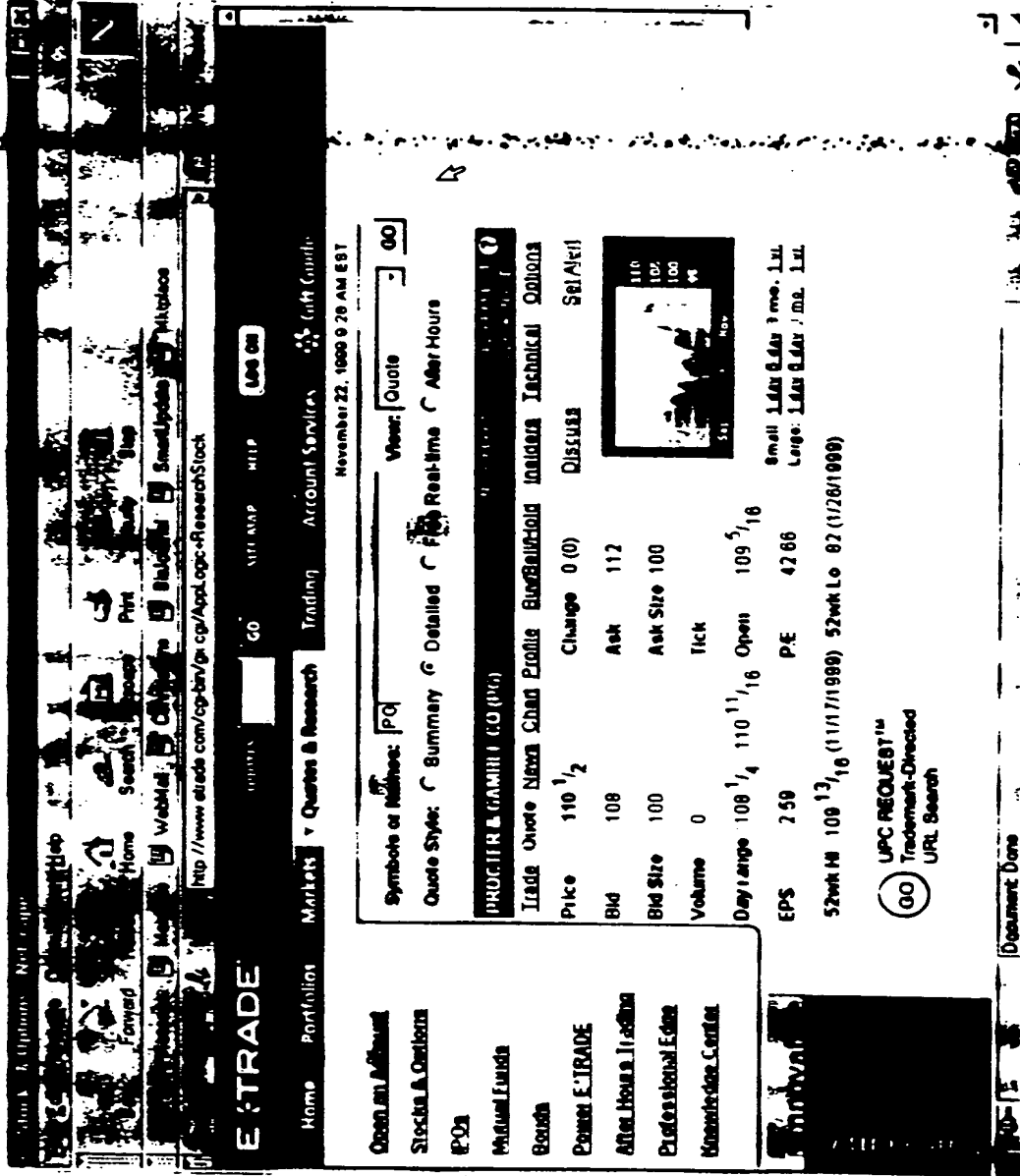
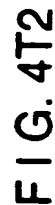


FIG. 4T1

90/105



MANUFACTURER / PRODUCT REGISTRATION MODE

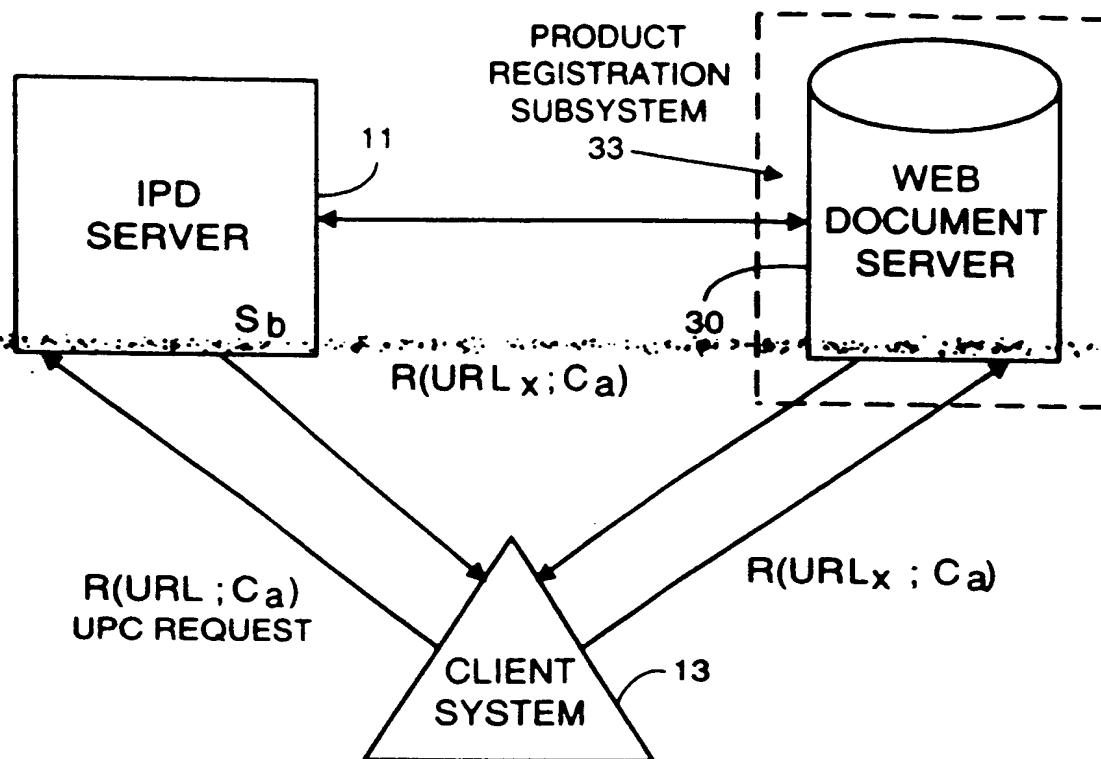


FIG. 5A

MANUFACTURER WEBSITE SEARCH MODE

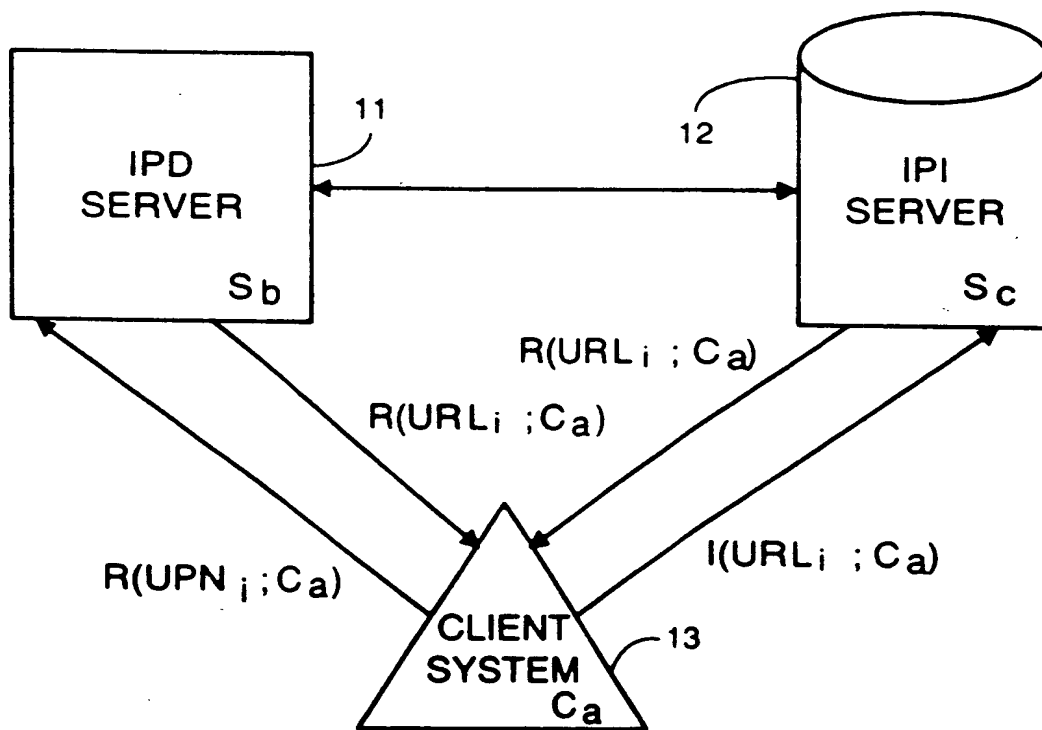


FIG. 5B

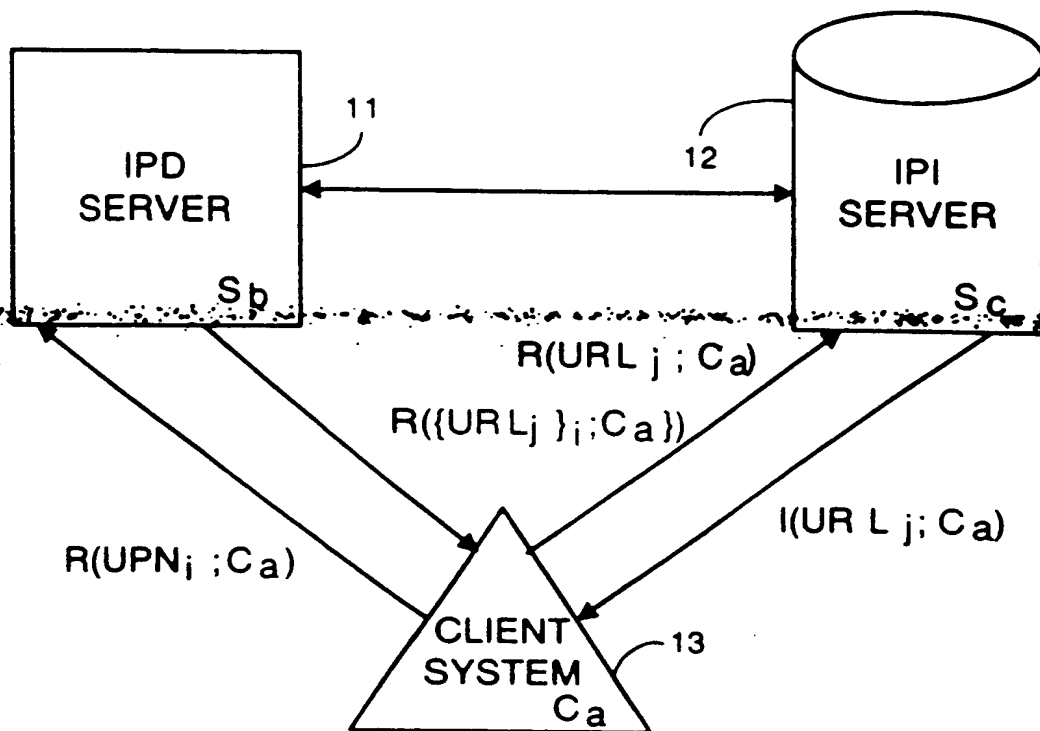


FIG. 5C

TRADE - MARK DIRECTED SEARCH MODE

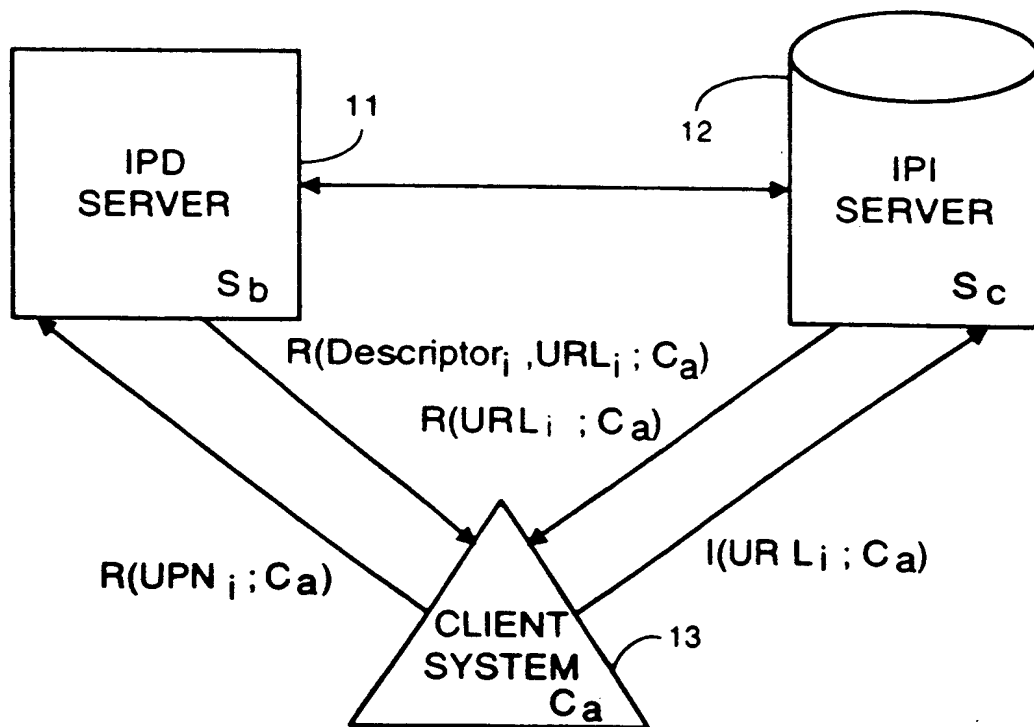


FIG. 5D

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	---

PRODUCT - DESCRIPTION DIRECTED SEARCH MODE

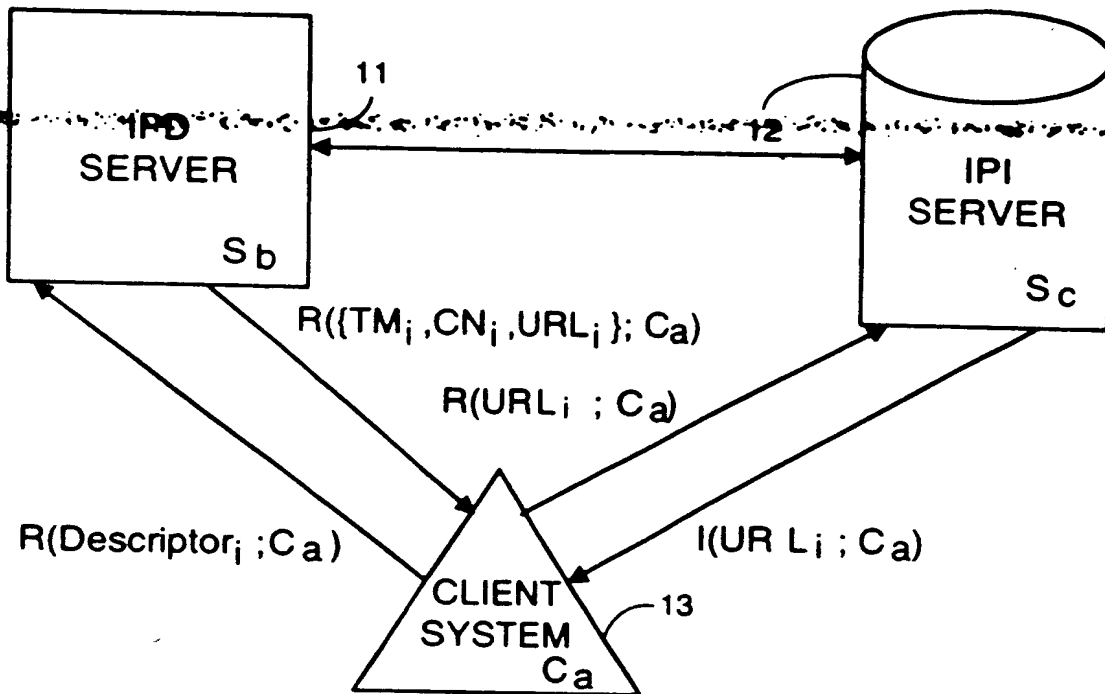


FIG. 5E

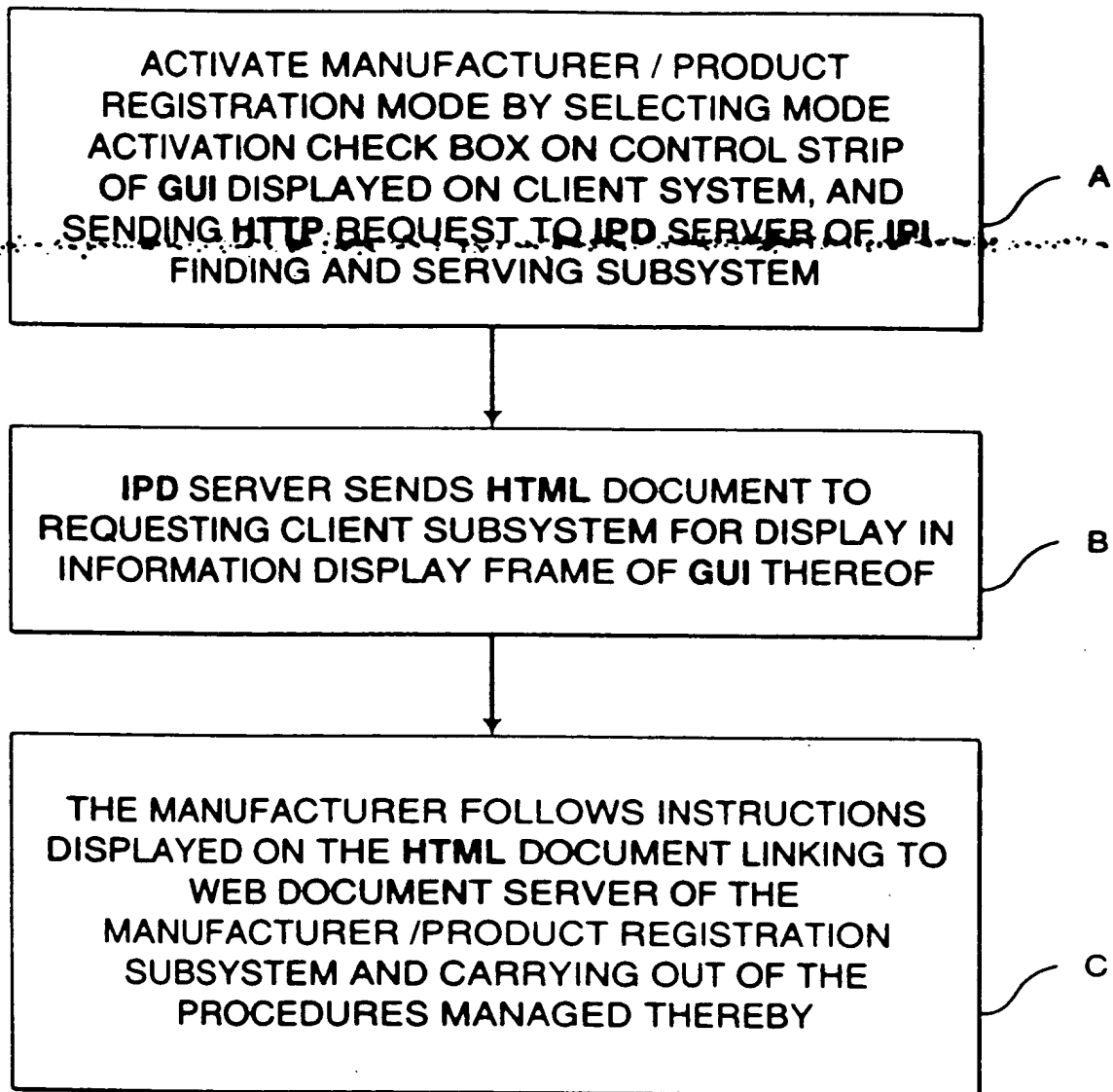


FIG. 6A

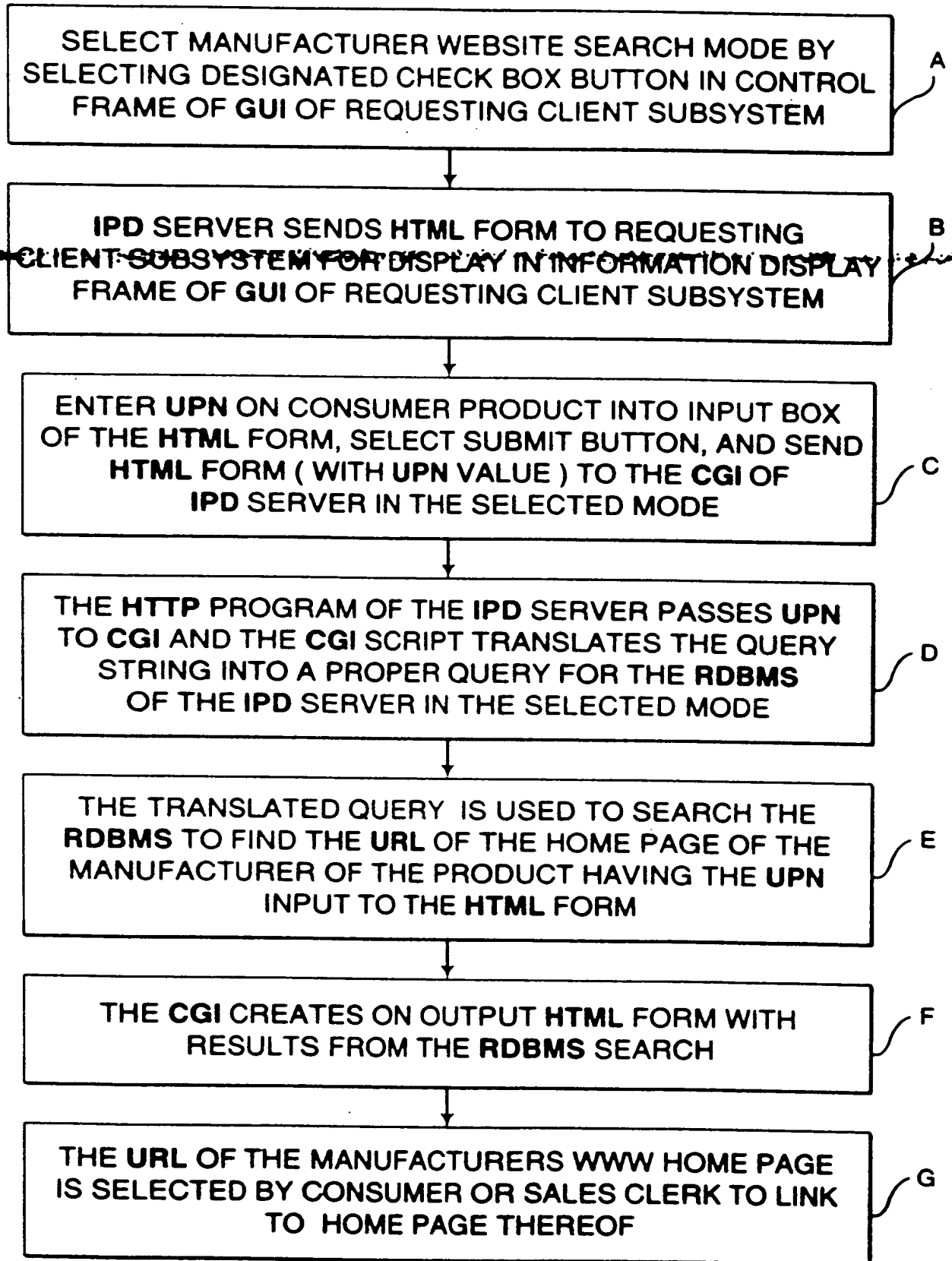


FIG. 6B

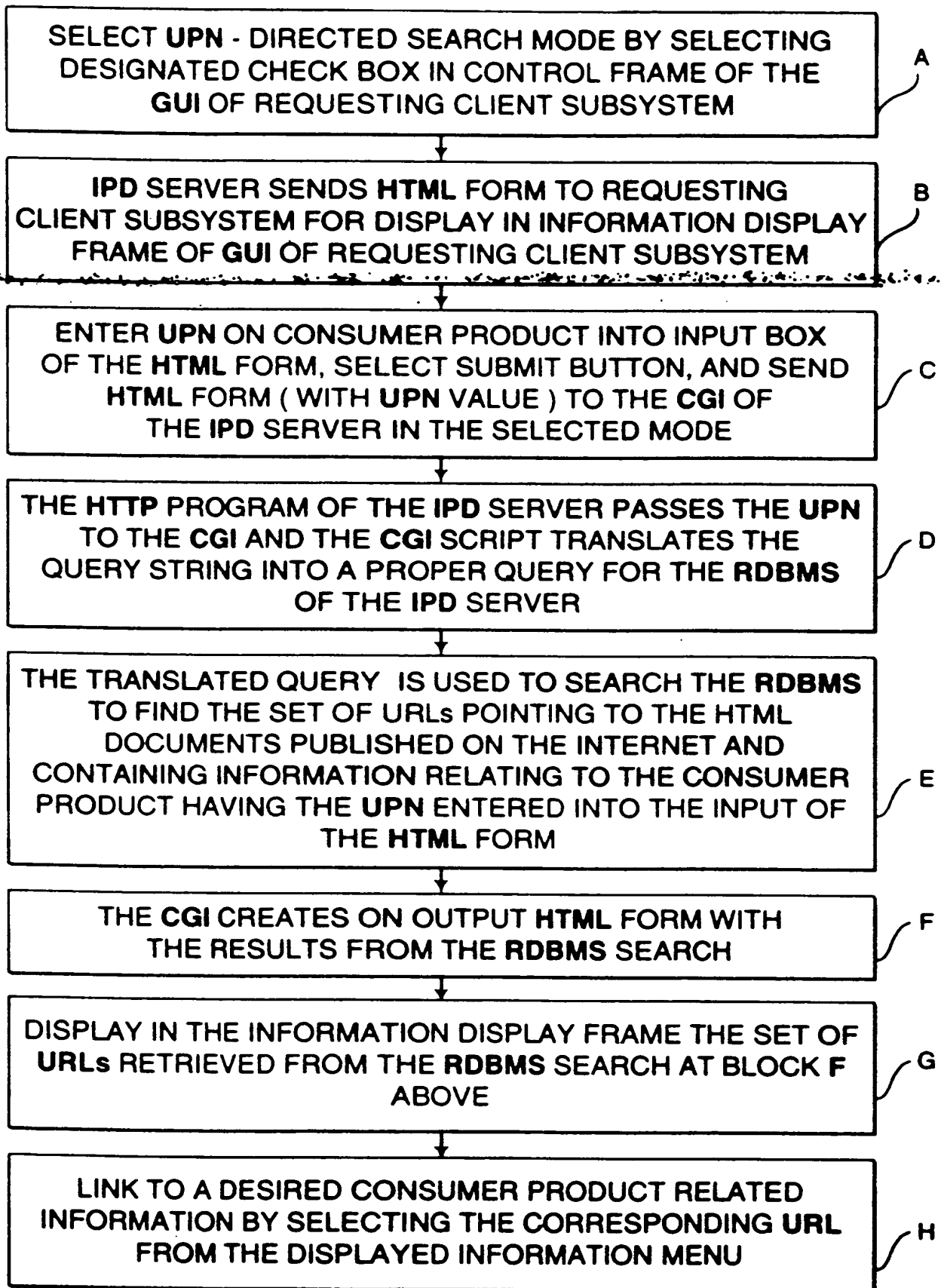


FIG. 6C

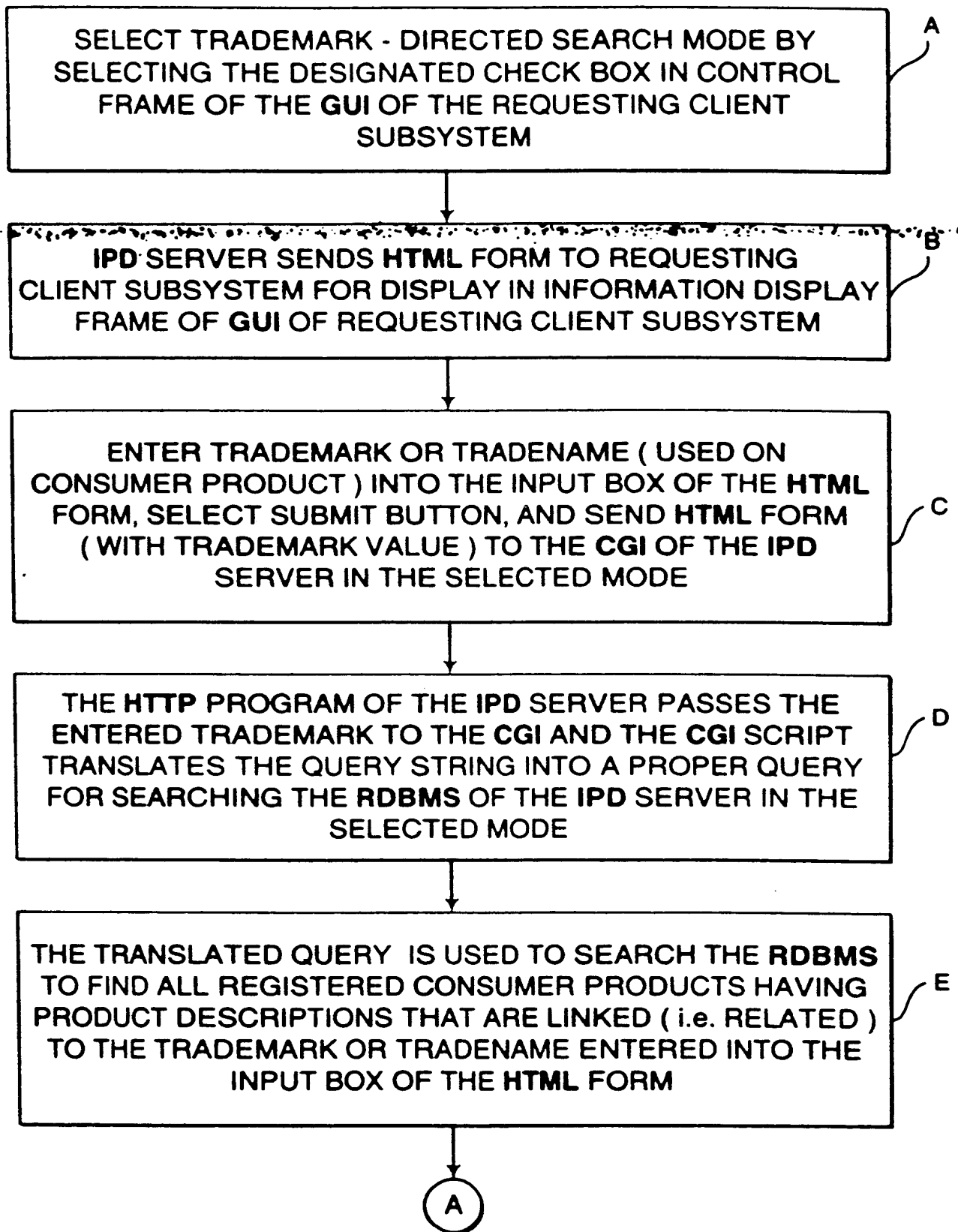


FIG. 6D1

98/105



CGI SCRIPT CREATES ANOTHER **HTML** FORM, AND INSERTS THE SEARCH RESULTS WITHIN THE INPUT BOX OF THE **HTML** FORM AND PROVIDES THE INPUT BOX WITH A RADIO-TYPE SUBMIT BUTTONS; AND THEN SENDS **HTML** FORM TO REQUESTING CLIENT SUBSYSTEM FOR DISPLAY IN INFORMATION DISPLAY FRAME

USE THE RADIO-BUTTON TO SELECT A TRIPLET DATA SET FROM THE INPUT BOX (i.e. PRODUCT DESCRIPTION, MANUFACTURER AND **UPN**) AND THEN SELECT SUBMIT BUTTON TO SEND REQUEST TO THE **HTTP** PROGRAM TO GET THE COMPLETED **HTML** FORM

THE **HTTP** PROGRAM OF THE **IPD** SERVER PASSES THE ENTERED DATA SET (SELECTED FROM THE INPUT BOX) TO THE **CGI** AND THE **CGI** SCRIPT TRANSLATES THE QUERY STRING INTO A PROPER QUERY FOR SEARCHING THE **RDBMS** OF THE **IPD** SERVER IN THE SELECTED MODE

THE TRANSLATED QUERY IS USED TO SEARCH THE **RDBMS** TO FIND THE SET OF **URLs** RELATED TO THE REGISTERED CONSUMER PRODUCT ASSIGNED THE **UPN** IN THE SELECTED DATA TRIPLET

THE **CGI** SCRIPT CREATES **HTML** FORM, INSERTS RESULTS FROM SEARCH THEREINTO, AND SENDS THE **HTML** FORM TO THE REQUESTING CLIENT SUBSYSTEM



FIG. 6D2

[illegible]

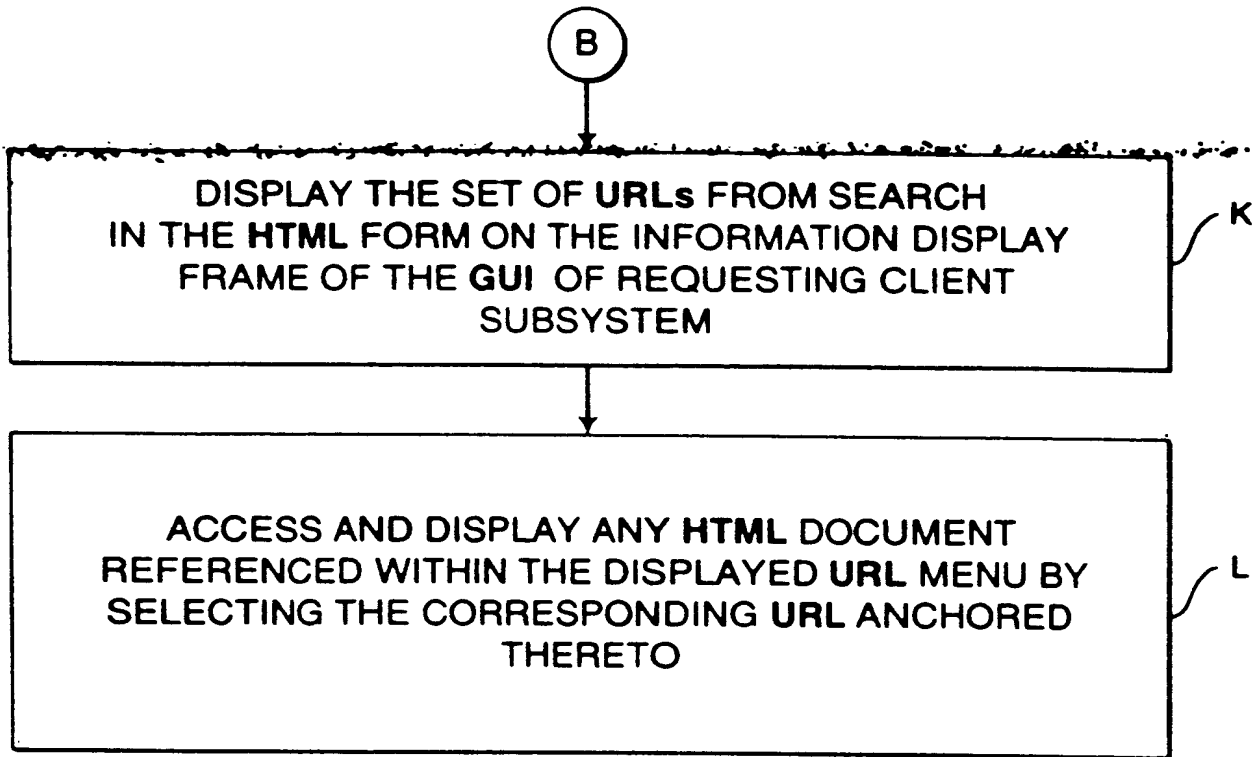


FIG. 6D3

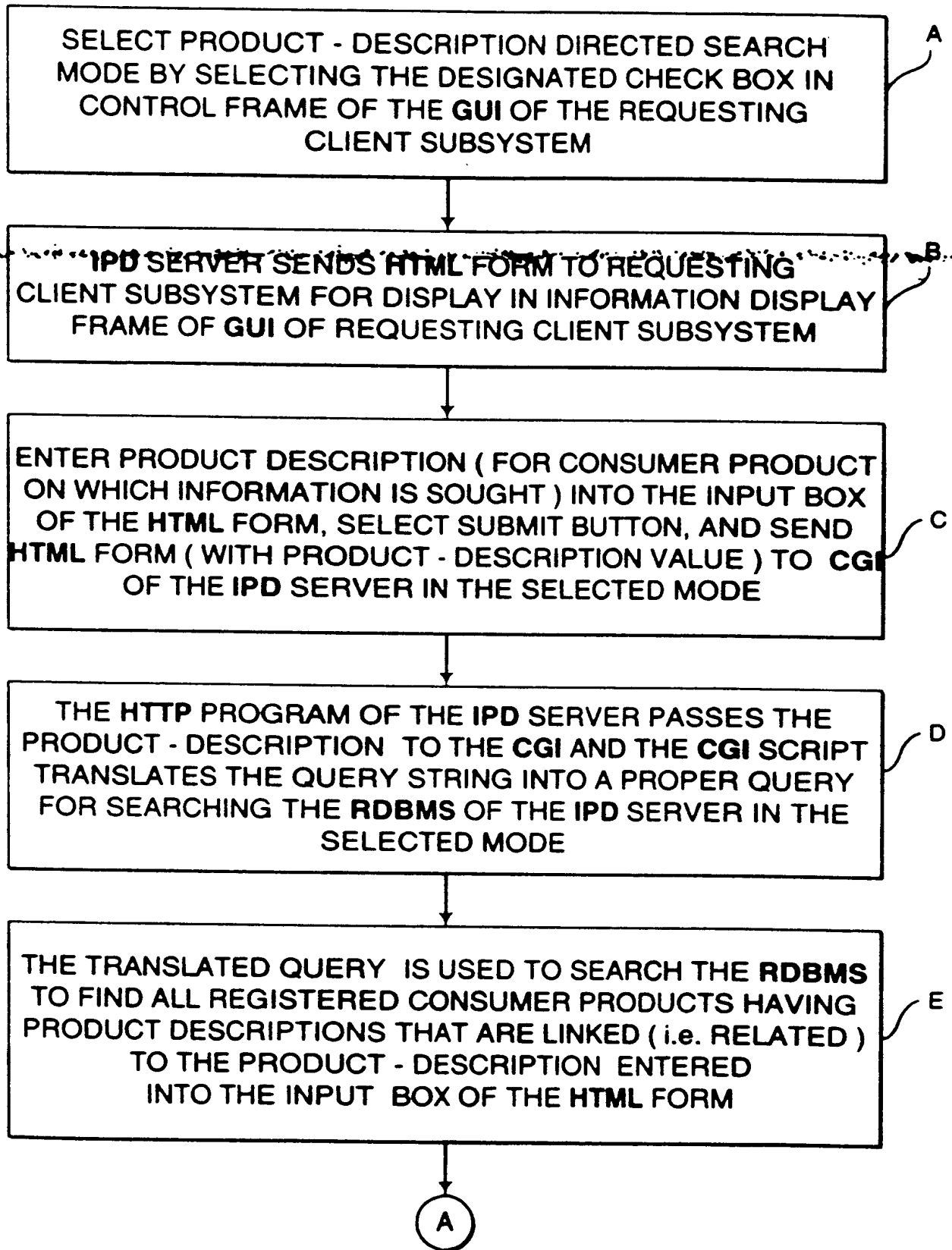


FIG. 6E1


```

graph TD
    F[CGI SCRIPT CREATES ANOTHER HTML FORM, AND INSERTS THE SEARCH RESULTS WITHIN THE INPUT BOX OF THE HTML FORM AND PROVIDES THE INPUT BOX WITH A RADIO-TYPE SUBMIT BUTTONS; AND THEN SENDS HTML FORM TO REQUESTING CLIENT SUBSYSTEM FOR DISPLAY IN INFORMATION DISPLAY FRAME] --> G[USE THE RADIO-BUTTON TO SELECT A TRIPLET DATA SET FROM THE INPUT BOX ( i.e. TRADEMARK , MANUFACTURER AND UPN ) AND THEN SELECT SUBMIT BUTTON TO SEND REQUEST TO THE HTTP PROGRAM TO GET THE COMPLETED HTML FORM]
    G --> H[THE HTTP PROGRAM OF THE IPD SERVER PASSES THE ENTERED DATA SET (SELECTED FROM THE INPUT BOX ) TO THE CGI AND THE CGI SCRIPT TRANSLATES THE QUERY STRING INTO A PROPER QUERY FOR SEARCHING THE RDBMS OF THE IPD SERVER IN THE SELECTED MODE]
    H --> I[THE TRANSLATED QUERY IS USED TO SEARCH THE RDBMS TO FIND THE SET OF URLS RELATED TO THE REGISTERED CONSUMER PRODUCT ASSIGNED THE UPN IN THE SELECTED DATA TRIPLET]
    I --> J[THE CGI SCRIPT CREATES HTML FORM, INSERTS RESULTS FROM SEARCH THEREINTO, AND SENDS THE HTML FORM TO THE REQUESTING CLIENT SUBSYSTEM]
    J --> B((B))
  
```

FIG. 6E2

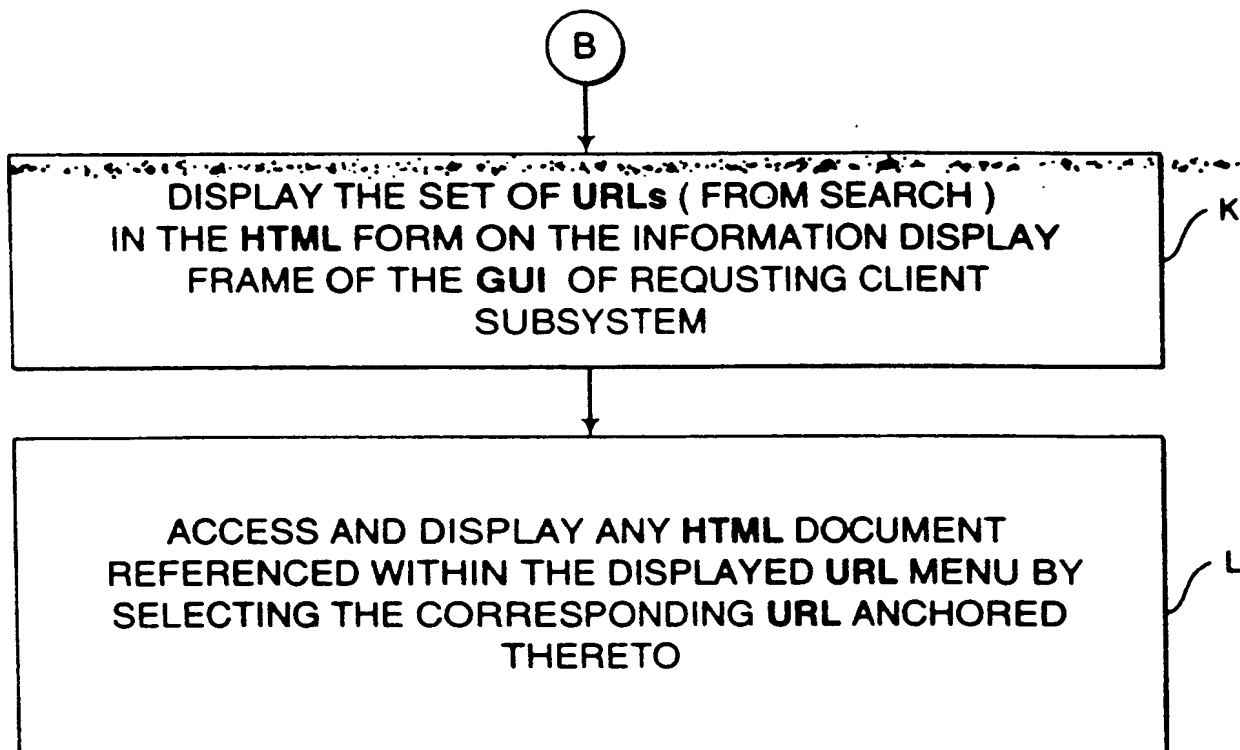


FIG. 6E3



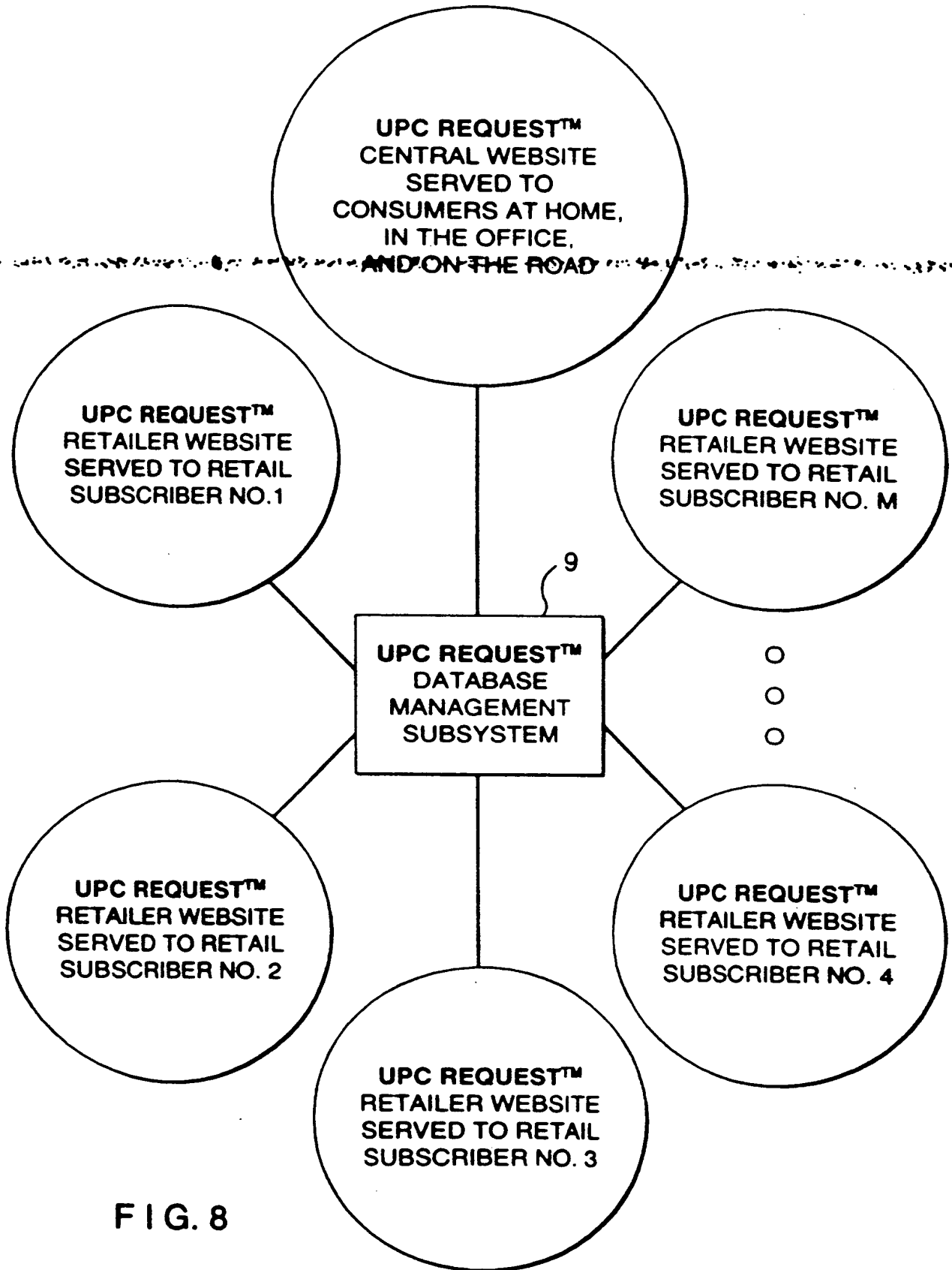


FIG. 8